

REPORT  
ON  
*The Meteorology of India*  
IN  
1886.

BY  
JOHN ELIOT, M.A.,

OFFG. METEOROLOGICAL REPORTER TO THE GOVERNMENT OF INDIA.

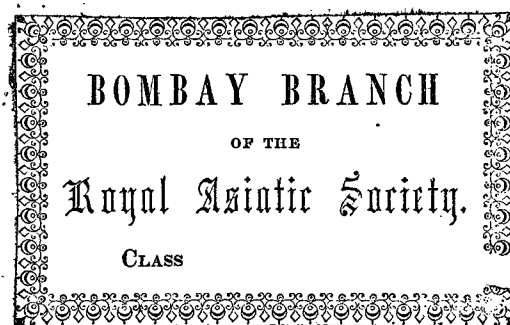
26  
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TWELFTH YEAR.



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## REPORT

ON THE

## METEOROLOGY OF INDIA IN 1886.

## INTRODUCTION.

THE present is the twelfth Annual Report issued by the Indian Meteorological Department and the second of the second decade. It deals with nearly the same area as the Report of last year. The annexation of Upper Burma enabled the Department to commence work in an area which forms an integral portion of that part of Southern Asia which is subject to the influence of the north-east and south-west monsoons. An observatory was opened at Mandalay on the 1st November 1886, and contributes a series of observations for the year. An observatory was also opened at the commencement of the year at the Cocos Islands, nearly midway between the Andamans and Point Negrais in South-West Pegu. The observations at that station will tend to increase our knowledge of the meteorology of the Bay, and assist in elucidating the conditions which prevail in the centre of the Bay and near the Andamans antecedent to the formation of cyclones. Observations have been taken for several years at Calicut on the Malabar coast and at the hill station of Mussooree in the North-Western Provinces, but they are included for the first time in the Annual Report. The former observatory was established in connection with the storm signal service for warning the Bombay coast. The observatory at Mussooree is in connection with the Great Trigonometrical Survey Office, which is located there during the hot weather and rains, and the observations are taken with great accuracy, and are hence of much value.

The Report for the year 1886 is published in the form adopted by Mr. Blanford. The elements of meteorological observation for the year are discussed in the following order:—

- (1) Solar radiation and duration of bright sunshine.
- (2) Nocturnal radiation and temperature of the ground.
- (3) Temperature of the air.
- (4) Atmospheric pressure.
- (5) Wind direction and movement.
- (6) Hygrometry.
- (7) Cloud proportion.
- (8) Rainfall.

and are followed by a brief discussion on the more important features and abnormal variations of the year.



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The following table gives a list of the number and distribution of the observatories which contributed registers during the year 1886 :—

| Provinces or Countries.                    | Stations in 1886. |
|--------------------------------------------|-------------------|
| Arabia . . . . .                           | 1                 |
| Persia . . . . .                           | 1                 |
| Lakhadives . . . . .                       | 1                 |
| Beluchistan . . . . .                      | 1                 |
| Kashmir . . . . .                          | 1                 |
| Punjab . . . . .                           | 13                |
| North-Western Provinces and Oudh . . . . . | 16                |
| Nepal . . . . .                            | 1                 |
| Assam . . . . .                            | 5                 |
| Bengal . . . . .                           | 19                |
| Central Provinces . . . . .                | 11                |
| Berars . . . . .                           | 5                 |
| Central India . . . . .                    | 4                 |
| Rajputana . . . . .                        | 6                 |
| Bombay . . . . .                           | 14                |
| Madras, Mysore and Coorg . . . . .         | 20                |
| Ceylon . . . . .                           | 8                 |
| Burma . . . . .                            | 9                 |
| Bay Islands . . . . .                      | 3                 |
| <b>TOTAL</b>                               | <b>139</b>        |

### DESCRIPTION OF THE STATIONS.

The Report for 1885 gives a very full and complete description of each of the stations at which observatories were then established, and it is hence unnecessary to repeat it in the present volume. The following gives brief descriptions of the stations which contribute registers for the first time to the Annual Report :—

*Mussooree*.—Situatd in latitude  $30^{\circ} 27' 30''$  N. and longitude  $78^{\circ} 6' 30''$  E. The observatory stands on the crest of a Himalayan peak, at an elevation above sea-level of 6,881 feet. Mussobree forms practically one station with Landour, where there is a convalescent depôt for European troops, the elevation of which is 7,459 feet. The observatory is situated in the Survey of India Office Compound.

*Calicut*.—A town and port in the Calicut taluk, Malabar district, Madras Presidency. It is situated on the sea coast 6 miles north of Beypur in the midst of extensive palm groves, in latitude  $11^{\circ} 15'$  N. and longitude  $75^{\circ} 49'$  E. The north end of the town is the old Portuguese quarter, while the southern portion contains the timber depôt and the Mahomedan quarter, above which lie the sea customs and salt offices, the light-house, and mercantile houses, facing the sea. Round the Mánánchira tank, a fine reservoir of fresh water, are grouped the chief public offices and many important buildings. The suburbs consist of detached villages surrounded with groves of palm, mango, and jack. The soil is sandy, and the deficiency of artificial drainage is not injuriously felt. The climate is healthy. The observatory is situated at the port office.

*Mandalay*.—The capital city in Upper Burma, is situated in latitude  $21^{\circ} 59'$  N. and longitude  $96^{\circ} 8'$  E., about two miles from the left bank of the Irrawaddy, in a level plain, at the foot of an isolated hill 600 feet in height, from which the city takes its name. The city of Mandalay may be said to consist of two parts, mural and extra-mural. The city proper



is laid out in a square, each side of which is a little over a mile in length, and is enclosed by a brick wall 26 feet high and 3 feet thick. The streets inside the city are very wide, and run parallel to the walls, dividing the building sites into rectangular blocks. In the suburbs the roads are laid out with something of the same regularity as in the city, but they are, with the exception of the principal road, of less width.

The climate is said to be healthy, the greatest heat being felt in April and May, before the setting in of the periodical rains. The transitions of the seasons are sudden, and earthquakes are not infrequent.

The observatory is located for the present at the civil hospital, but its permanent site has not yet been definitely settled.

*Cocos Islands.*—The Cocos Islands are two islands in the Bay of Bengal, situated between latitude  $14^{\circ} 4'$  and  $14^{\circ} 10' N.$  and in longitude  $93^{\circ} 21' E.$ , 45 miles north of the Great Andaman, and a short distance south of Table Island, on which there is a good light-house, showing a fixed light visible 22 miles in clear weather, and having an elevation of 195 feet above sea-level. The larger and more northerly of the two, called the Great Coco, is a low oblong-shaped island, between 6 and 7 miles in length and 2 miles broad. The smaller island, or Little Coco, lying about 3 leagues to the south-west of the Great Coco, is  $2\frac{1}{2}$  miles long and about a mile broad. Both islands are to a great extent protected by the Andamans from the heavy south-west swell of the Bay of Bengal; but more or less boisterous weather prevails in October and May, when the north-east and south-west monsoons set in. The Great Coco is surrounded by a strip of white coral beach, on which grows an almost continuous fence of cocoanut trees. A ship may anchor at any time of the year on the east side of the Great Coco in from 14 to 20 fathoms, and also on the west side in the north-east monsoon. Viewed from a distance, the island appears to be entirely covered with these palms (to which it doubtless owes its name), but in reality they form only a narrow belt, the interior being covered with forest trees. One or two parallel ridges, running north and south through the centre of the island, rise to a height not exceeding 50 feet. The island appears (from a careful examination made in 1874) to be destitute of drinking water, although it has been said that a good tank exists somewhere. The observatory is situated in Table Island in connection with the light-house.

Table I, on the following pages, gives the latitude and longitude of each station to the nearest minute of arc, and the elevation of the barometer, which, with very few exceptions, has been determined by spirit-levelling, either to datum levels fixed by the spirit-levelling operations of the Survey of India, or to the levels of the railway lines.

At the two following stations, the barometer has been removed to a level different from that which it occupied previously, and the change of elevation must, therefore, be allowed for in comparing the barometric registers of 1886 with those given in previous reports:—

| Stations.         | Former elevation. | Present elevation. | Date of change.   |
|-------------------|-------------------|--------------------|-------------------|
| Allahabad . . . . | 306.68 feet       | 309.28 feet        | 1st January 1886. |
| Mangalore . . . . | 52.03.            | 25.60              | 1st October 1886. |

A correction of 8 feet should be made to the elevation of the Poona barometer (1992.4 feet) from 1876 to 1878, as given in the Reports for those years.

TABLE I.—*Latitudes, Longitudes, and Elevations of the Meteorological Observatories.*

| PROVINCES.                | STATIONS.         | Latitude, north. | Longitude, east. | Elevation in feet above mean sea-level. | Level determined.               | How determined.                                                            | Authority for elevation.                              |
|---------------------------|-------------------|------------------|------------------|-----------------------------------------|---------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------|
| ARABIA                    | Aden . .          | 12° 45'          | 45° 3'           | 94'1                                    | Barometer . .                   | Determined from the 9' mark on the tide gauge.                             | Assistant Resident, Aden.                             |
| PERSIA .                  | Bushire . .       | 28° 59'          | 50° 49'          | 25                                      | Ditto . .                       | .....                                                                      | Colonel Ross.                                         |
| LAKHADIVES .              | Amini Divi . .    | 11° 6'           | 72° 48'          | 15?                                     | Ditto . .                       | Estimated.                                                                 |                                                       |
| BELUCHISTAN               | Quetta . .        | 30° 11'          | 67° 3'           | 5,501'23                                | Bar. cistern . .                | By spirit-level to G. T. Survey B. M.                                      | Surgeon-Major.                                        |
| KASHMIR .                 | Leh . .           | 34° 10'          | 77° 42'          | 11,502'96                               | Ditto . .                       | Ditto . .                                                                  | J. B. Morris, Esq., C.E.                              |
|                           | Kailang . .       | 32° 34'          | 77° 4'           | 10,087                                  | Ditto . .                       | By barometer, from Leh and Simla, 1 year.                                  | H. F. Blanford, Esq.                                  |
|                           | Chamba . .        | 32° 34'          | 76° 10'          | 3,004'7                                 | Top of mercury of bar. cistern. | Determined from the ground level of the Chamba Survey Station.             | Deputy Conservator of Forests.                        |
|                           | Mooltan . .       | 30° 10'          | 71° 33'          | 420'19                                  | Mercury of bar. cistern.        | Levelled from G. T. Survey B. M.                                           | J. D. Davis, Esq., C.E.                               |
|                           | Dera Ismail Khan. | 32° 0'           | 71° 5'           | 572'56                                  | Ditto . .                       | By spirit-level to G. T. Survey B. M.                                      | Major Thorold                                         |
|                           | Peshawar . .      | 34° 2'           | 71° 37'          | 1,110'4                                 | Bar. cistern, Police Hospital.  | Ditto Ditto                                                                | Bomford Lovett, Esq., Ex. Engr., Hazara Division.     |
|                           | Murree . .        | 33° 54'          | 73° 27'          | 6,343'86                                | Mercury of bar. cistern.        | By spirit-level to G. T. Survey B. M. on Prospect Hill 1'48 miles distant. | A. Grant, Esq., Assistant Engineer.                   |
| PUNJAB .                  | Rawalpindi . .    | 33° 38'          | 73° 5'           | 1,652'24                                | Bar. cistern, Civil Dispensary. | .....                                                                      | J. B. Morris, Esq., C.E.                              |
|                           | Sialkot . .       | 32° 29'          | 74° 35'          | 829'47                                  | Plinth of City Hospital.        | Levelled 1 mile to bridge.                                                 | Major-General J. D. Campbell, R.E.                    |
|                           | Lahore . .        | 31° 34'          | 74° 20'          | 702'22                                  | Barometer . .                   | By levelling between former and present situation.                         | J. E. Hutton, Esq., C.E., Ex. Engr., Lahore Division. |
|                           | Ludhiana . .      | 30° 55'          | 75° 54'          | 811'86                                  | Bar. cistern . .                | Levelled from milestone No. 3 from Ludhiana.                               | Ex. Engr., Umballa and Ludhiana Road, 1st Division.   |
|                           | Simla . .         | 31° 6'           | 77° 12'          | 7,048'24                                | Ditto . .                       | Levelled to Simla W. W. Bench-mark on Church steps.                        | A. C. L. Learmouth, Esq., Ex. Engineer.               |
|                           | Delhi . .         | 28° 40'          | 77° 16'          | 717'81                                  | Ditto . .                       | Levelled from B. M. Cabul Gate.                                            | J. C. Sarkar, Ex. Engr.                               |
|                           | Sirsa . .         | 29° 32'          | 75° 6'           | 661'61                                  | Ditto, Jail Dispensary room.    | By spirit-level to G. T. Survey B. M.                                      | Babu R. K. Mookerji, Supervisor.                      |
|                           | Chakrata . .      | 30° 40'          | 77° 55'          | 7,051'58                                | Mercury of bar. cistern.        | Levelled from G. T. Survey B. M.                                           | Government, N.-W. Provinces, P. W. D.                 |
|                           | Mussooree . .     | 30° 28'          | 78° 7'           | 6,881                                   | Bar. cistern . .                | .....                                                                      | Survey of India.                                      |
|                           | Dehra . .         | 30° 20'          | 78° 8'           | 2,232'4                                 | Mercury of bar. cistern.        | G. T. Survey, by spirit-level.                                             | J. B. N. Hennessy, Esq.                               |
|                           | Roorkee . .       | 29° 52'          | 77° 56'          | 886'63                                  | Ditto . .                       | By spirit-level to two G. T. Survey spirit-level B. M.                     | Ex. Engr., Saharanpur.                                |
|                           | Ranikhet . .      | 29° 38'          | 79° 29'          | 6,068'75                                | Ditto . .                       | From G. T. Survey B.M.                                                     | Ex. Engr., Military Works.                            |
|                           | Pithoragarh . .   | 29° 35'          | 80° 15'          | 5,363'2                                 | Bar. cistern . .                | Barometrically from two neighbouring Hills, G. T. S. heights.              | S. A. Hill, Esq., B.Sc.                               |
| N. W. PROVINCES AND OUDH. | Meerut . .        | 29° 0'           | 77° 41'          | 737'48                                  | Mercury of bar. cistern.        | From G. T. Survey B.M.                                                     | Ex. Engr., Meerut Division.                           |
|                           | Bareilly . .      | 28° 21'          | 79° 27'          | 568'47                                  | Ditto . .                       | Levelled from G. T. Survey B. M.                                           | Commissioner of Rohilkhand.                           |
|                           | Agra . .          | 27° 10'          | 78° 5'           | 555'44                                  | Top of bar. cistern .           | By spirit-level to G. T. Survey B. M.                                      | Sub-Overseer, Mustag Ahmed.                           |
|                           | Lucknow . .       | 26° 50'          | 81° 0'           | 369'4                                   | Bar. cistern . .                | By measurement to G. T. Survey B. M. on Museum building.                   | Dr. Bonavia.                                          |
|                           | Gorakhpur . .     | 26° 46'          | 83° 18'          | 255'93                                  | Ditto . .                       | Levelled from Trigonometrical level.                                       | Government, N.-W. Provinces, P. W. D.                 |
|                           | Jhansi . .        | 25° 27'          | 78° 37'          | 855'4                                   | Bar. cistern of Dispensary.     | From the levels of the Bundelkhand Irrigation works.                       | Commissioner of Jhansi.                               |
|                           | Allahabad . .     | 25° 26'          | 81° 52'          | 306'68, 309'28                          | Bar. cistern . .                | By spirit-level to G. T. Survey B. M., in fort.                            | Secretary, Dept. P. W., N.-W. Provinces.              |
|                           | Benares . .       | 25° 20'          | 83° 2'           | 266'97                                  | Bottom of bar cistern.          | By spirit-level to G. T. Survey, spirit-level B.M.                         | Ditto ditto.                                          |
|                           | Ghazipur . .      | 25° 35'          | 83° 39'          | 219'74                                  | Bar. cistern . .                | By levelling from the B. M. at Collector's Kachari.                        | Sub-divisional Officer, P. W. Dept.                   |

(a) Changed to 309'28 feet on the 1st January 1886. The site of observatory changed.

## DESCRIPTION OF THE STATIONS.

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TABLE I.—*Latitudes, Longitudes, and Elevations of the Meteorological Observatories—continued.*

| PROVINCES.        | STATIONS.                 | Latitude, north. | Longitude, east. | Elevation in feet above mean sea-level. | Level determined.        | How determined.                                                              | Authority for elevation.                                                        |
|-------------------|---------------------------|------------------|------------------|-----------------------------------------|--------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| NEPAL .           | Katmandu .                | 27° 42'          | 85° 12'          | 4,387·8                                 | Dispensary . .           | .....                                                                        | C. E. R. Girdlestone, Esq.,<br>C. S., Resident in Nepal.<br>Dr. M. Mookerji.    |
|                   | Sibsagar .                | 26° 59'          | 94° 40'          | 333                                     | Bar. cistern . .         | Measured from G. T. Survey B. M.                                             | J. H. Jewett, Esq., C.E.                                                        |
|                   | Tezpur .                  | 26° 36'          | 92° 50'          | 251·3                                   | Ditto . .                | By spirit-level to G. T. Survey B. M.                                        | Mr. Clancy, Assistant Engineer, Dhubri.                                         |
| ASSAM             | Dhubri .                  | 26° 7'           | 89° 50'          | 115·34                                  | Mercury of bar. cistern. | Determined from nearest trigonometrical pillar by levelling.                 | Dr. J. J. Monteath.                                                             |
|                   | Silchar .                 | 24° 49'          | 92° 50'          | 104·3                                   | Bar. cistern . .         | Level taken by the P.W. Department.                                          |                                                                                 |
|                   | Tura .                    | 25° 30'          | 90° 17'          |                                         |                          |                                                                              |                                                                                 |
|                   | Darjeeling .              | 27° 3'           | 88° 18'          | 7,421·1                                 | Bar. cistern . .         | By spirit-level to G. T. Survey B. M.                                        | Captain H. T. Harman, R.E.                                                      |
|                   | Pedong .                  | 27° 9'           | 88° 40'          |                                         |                          |                                                                              |                                                                                 |
|                   | Purneah .                 | 25° 50'          | 87° 34'          | 125                                     | (?)                      | By spirit-level to church.                                                   | Dr. Picachy.                                                                    |
|                   | Durbhunga .               | 26° 10'          | 86° 0'           | 166·32                                  | Bar. cistern . .         | Levelled from B. M. quarter of a mile distant.                               | Superintending Engineer, Raj Durbhunga.                                         |
|                   | Patna .                   | 25° 37'          | 85° 14'          | 182·84                                  | Ditto . .                | By levelling from the old position.                                          | W. H. King, Esq., C.E.                                                          |
|                   | Gya .                     | 24° 42'          | 85° 2'           | 374·9                                   | Ditto . .                | Levelled from G. T. Survey spirit-level, B. M. at Bankipore Railway Station. | M. P. B. Duell, Esq., C.E.                                                      |
|                   | Hazaribagh .              | 24° 0'           | 85° 24'          | 2,007·12                                | Ditto . .                | .....                                                                        | Assistant Engineer, P. W. Dept.                                                 |
|                   | Berhampore .              | 24° 6'           | 88° 17'          | 66·45                                   | Ditto . .                | By spirit-level to Irrigation Department B. M.                               | G. Pearson, Esq.                                                                |
|                   | Burdwan .                 | 23° 14'          | 87° 54'          | 99·09                                   | Ditto . .                | .....                                                                        | Dr. Joubert.                                                                    |
| BENGAL            | Jessore .                 | 23° 9'           | 89° 13'          | 33·29                                   | Ditto . .                | By spirit-level to B. M. on 73rd milestone from Calcutta.                    | Babu Nobo Gopal Dutt.                                                           |
|                   | Dacca .                   | 23° 43'          | 90° 27'          | 21·7                                    | Ditto . .                | Determined from the previous height.                                         | R. Ebrington, Esq., Asst. Supdt. of Telegraphs.                                 |
|                   | Chittagong .              | 22° 21'          | 91° 50'          | 86·7                                    | Ditto . .                | .....                                                                        | H. F. Blanford, Esq.                                                            |
|                   | Demagiri .                | 22° 48'          | 92° 15'          |                                         |                          |                                                                              |                                                                                 |
|                   | Calcutta (Alipore). .     | 22° 32'          | 88° 20'          | 21·38                                   | Bar. cistern . .         | By spirit-level to Kydd's Dock B. M.                                         | H. F. Blanford, Esq.                                                            |
|                   | Calcutta (Chowringhee). . | 22° 33'          | 88° 21'          | 18                                      |                          |                                                                              |                                                                                 |
|                   | Saugor Island .           | 21° 39'          | 88° 5'           | 25·3                                    | Bar. cistern . .         | .....                                                                        | Telegraph Master.                                                               |
|                   | Cuttack .                 | 20° 29'          | 85° 54'          | 80                                      | Ditto . .                | By spirit-level to Irrigation Department B. M.                               | T. S. Isaac, Esq., C. E.                                                        |
|                   | False Point .             | 20° 20'          | 86° 47'          | 20·60                                   | Ditto . .                | By levelling . . .                                                           | Major Rogers, in charge of the Levelling and Tidal Operations, Survey of India. |
|                   | Sambalpur .               | 21° 31'          | 84° 1'           | 463                                     | Ditto . .                | Determined from the former height.                                           | Honorary Surgeon-Major J. E. Harrison.                                          |
|                   | Raipur .                  | 21° 15'          | 81° 41'          | 960                                     | Ditto . .                | By spirit-level from Nagpur, 175 miles.                                      | Dr. Townshend.                                                                  |
|                   | Nagpur .                  | 21° 9'           | 79° 11'          | 1,025                                   | Ditto . .                | By spirit-level from G. T. Survey B. M. and Railway.                         | Ditto.                                                                          |
|                   | Seoni .                   | 22° 6'           | 79° 33'          | 2,030                                   | Ditto . .                | By spirit-level from G. T. Survey B. M.                                      | Ditto.                                                                          |
|                   | Jubbulpore .              | 23° 9'           | 79° 59'          | 1,340·75                                | Ditto . .                | By levelling between former and present situation.                           | D. P. W.                                                                        |
|                   | Saugor .                  | 23° 49'          | 78° 48'          | 1,768·9                                 | Ditto . .                | Levelled from Revenue B. M.                                                  | Ex. Engr., Saugor.                                                              |
| CENTRAL PROVINCES | Pachmarhi .               | 22° 28'          | 78° 28'          | 3,511                                   | Barometer . .            | By measurement from the former height.                                       | Surgeon-Major R. Drury.                                                         |
|                   | Hoshangabad .             | 22° 45'          | 77° 46'          | 1,020                                   | Ditto . .                | By spirit-level from Itarsi Railway Station, 11 miles.                       | Ditto ditto.                                                                    |
|                   | Khandwa .                 | 21° 49'          | 76° 23'          | 1,043·71                                | Ditto . .                | From the former height.                                                      | Dr. P. Cullen, M. D.                                                            |

## DESCRIPTION OF THE STATIONS.

TABLE I.—*Latitudes, Longitudes, and Elevations of the Meteorological Observatories*—continued.

| PROVINCES.                         | STATIONS.        | Latitude, north. | Longitude, east. | Elevation in feet above mean sea-level. | Level determined.                | How determined.                                                                                  | Authority for elevation.                                  |
|------------------------------------|------------------|------------------|------------------|-----------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| CENTRAL PROVINCES— <i>concl'd.</i> | Chanda . .       | 19° 56'          | 79° 19'          | 651·89                                  | Bar. cistern at Police Hospital. | By spirit-level to Railway at Wardha Station, G. I. P. Railway, Levelled from G. T. Survey B. M. | T. S. O'Callaghan, Esq., C.E.                             |
|                                    | Sironcha . .     | 18° 51'          | 80° 0'           | 401·29                                  | Bar. cistern . .                 | .....                                                                                            | Ex. Engr., Nagpur Division.                               |
|                                    | Chikalda . .     | 21° 24'          | 77° 22'          | 3,642·4*                                | Ditto . .                        | .....                                                                                            | E. Litchfield, Esq., Deputy Conservator of Forests Berar. |
| BERARS . .                         | Buldana . .      | 20° 34'          | 76° 14'          | 2,131·76                                | Barometer . .                    | By spirit-level to rails at Mulkapur Station.                                                    | F. Chambers, Esq.                                         |
|                                    | Akola . .        | 20° 42'          | 77° 4'           | 930                                     | Ditto . .                        | By spirit-level to rails of Railway Station.                                                     | J. F. Pope, Esq.                                          |
|                                    | Amraoti . .      | 20° 55'          | 77° 43'          | 1,213·38                                | Ditto . .                        | By spirit-level to rails at Baduera Station.                                                     | F. Chambers, Esq.                                         |
| CENTRAL INDIA . .                  | Neemuch . .      | 24° 25'          | 75° 0'           | 1,639·36                                | Bar. cistern . .                 | .....                                                                                            | Ditto.                                                    |
|                                    | Nowgong . .      | 25° 2'           | 79° 29'          | 757·04                                  | Ditto . .                        | Levelled to G. T. Survey B. M. on Mow Hills.                                                     | Ex. Engr., Bundelkhand Roads.                             |
|                                    | Sutna . .        | 24° 34'          | 80° 52'          | 1,040·1                                 | Barometer . .                    | By spirit-level to Railway Station.                                                              | Dr. S. J. Goldsmith.                                      |
| RAJPUTANA . .                      | Indore . .       | 22° 44'          | 75° 53'          | 1,823·2                                 | Bar. cistern . .                 | From the former height                                                                           | Meteorological Observer.                                  |
|                                    | Bickaneer . .    | 27° 59'          | 73° 14'          | 743·5                                   | Ditto . .                        | Ground-level by G. T. Survey.                                                                    | F. Chambers, Esq.                                         |
|                                    | Jeypore . .      | 26° 55'          | 75° 50'          | 1,430·6                                 | Ditto . .                        | Spirit-levelling to G. T. Survey level.                                                          | Agency Surgeon, C. R. S. Agency, Jeypore.                 |
| BOMBAY . .                         | Sambhar . .      | 26° 55'          | 75° 14'          | 1,253·52                                | Ditto . .                        | .....                                                                                            | S. A. Hill, Esq., B.Sc.                                   |
|                                    | Ajmere . .       | 26° 28'          | 74° 37'          | 1,611                                   | Ditto . .                        | From the previous height                                                                         | Ditto.                                                    |
|                                    | Mount Abu . .    | 24° 36'          | 72° 45'          | 3,945                                   | Ditto . .                        | .....                                                                                            | F. Chambers, Esq.                                         |
| MADRAS, MYSORE AND COORG . .       | Pachpadra . .    | 25° 55'          | 72° 18'          | 380                                     | Ditto . .                        | By barometer . .                                                                                 | H. F. Blanford, Esq.                                      |
|                                    | Jacobabad . .    | 28° 24'          | 68° 18'          | 185·9                                   | Ditto . .                        | .....                                                                                            | F. Chambers, Esq.                                         |
|                                    | Hyderabad . .    | 25° 25'          | 68° 27'          | 117·18                                  | Ditto . .                        | From B. M. on Futeli Bridge.                                                                     | Surgeon-Major H. W. Tetham.                               |
| BOMBAY . .                         | Kurrachee . .    | 24° 47'          | 67° 4'           | 49                                      | Ditto . .                        | .....                                                                                            | F. Chambers, Esq.                                         |
|                                    | Bhuj . .         | 23° 15'          | 69° 42'          | 395·12                                  | Ditto . .                        | By spirit-level to base of pillar No. 4, in cantonment.                                          | Joggernath Sadashib, Esq.                                 |
|                                    | Rajkot . .       | 22° 17'          | 70° 52'          | 428·83                                  | Ditto . .                        | Determined from G. T. Survey B. M.                                                               | R. B. Booth, Esq., Agency Engr.                           |
| BOMBAY . .                         | Deesa . .        | 24° 16'          | 72° 14'          | 465·5                                   | Ditto . .                        | Measured from G. T. Survey B. M.                                                                 | N. Hennessy, Esq.                                         |
|                                    | Surat . .        | 21° 13'          | 72° 46'          | 36                                      | Ditto . .                        | .....                                                                                            | F. Chambers, Esq.                                         |
|                                    | Malegaon . .     | 20° 34'          | 74° 22'          | 1,430·12                                | Ditto . .                        | By spirit-level to B. M., distant 8,620 feet from the Observatory.                               | A. T. Anderson, Esq., Ex. Engr., Northern Division.       |
| BOMBAY . .                         | Bombay . .       | 18° 54'          | 72° 49'          | 37                                      | Ditto . .                        | .....                                                                                            | C. Chambers, Esq.                                         |
|                                    | Poona . .        | 18° 28'          | 74° 10'          | 1,840·37 <sup>a</sup>                   | Ditto . .                        | .....                                                                                            | F. Chambers, Esq.                                         |
|                                    | Sholapur . .     | 17° 41'          | 75° 56'          | 1,585·12 <sup>b</sup>                   | Ditto . .                        | Levelled to B. M., distant about 200 feet from the Military Hospital.                            | Mr. G. B. Dante, Overseer, P. W. D.                       |
| BOMBAY . .                         | Ratnagiri . .    | 17° 6'           | 73° 23'          | 110                                     | Ditto . .                        | Levelled to B. M. on School of Industry.                                                         | C. Brereton, Esq.                                         |
|                                    | Belgaum . .      | 15° 52'          | 74° 42'          | 2,524 <sup>c</sup>                      | Ditto . .                        | .....                                                                                            | Surgeon-Major B. Buckland.                                |
|                                    | Karwar . .       | 14° 50'          | 74° 15'          | 43·87                                   | Ditto . .                        | Levelled to G. T. Survey B. M.                                                                   | W. J. Lister, Esq., Ex. Engr., Karwar.                    |
| BOMBAY . .                         | Gopalpur . .     | 19° 20'          | 85° 0'           | 50                                      | Ditto . .                        | Estimated.                                                                                       | Meteorological Reporter, Bengal.                          |
|                                    | Vizagapatam . .  | 17° 42'          | 83° 22'          | 31                                      | Ditto . .                        | .....                                                                                            | A. V. Nursing Rao, Esq.                                   |
|                                    | Rajahmundry . .  | 16° 58'          | 81° 50'          | 112                                     | Ditto . .                        | .....                                                                                            | Meteorological Reporter, Madras.                          |
| MADRAS, MYSORE AND COORG . .       | Masulipatam . .  | 16° 9'           | 81° 12'          | 10·16                                   | Barometer . .                    | Levelled from half-tide level.                                                                   | Lieutenant D. Campbell, R.E.                              |
|                                    | Secunderabad . . | 17° 27'          | 78° 33'          | 1,786·69                                | Bar. cistern . .                 | By spirit-level.                                                                                 | Ex. Engr., Secunderabad.                                  |
|                                    | Kurnool . .      | 15° 50'          | 78° 6'           | 923·45                                  | Ditto . .                        | .....                                                                                            | Asst. Engr., Upper Sub-Division, Kurnool.                 |
| MADRAS, MYSORE AND COORG . .       | Bellary . .      | 15° 9'           | 76° 57'          | 1,474·63                                | Ditto . .                        | .....                                                                                            | Major S. Clarke, R.E.                                     |
|                                    | Cuddapah . .     | 14° 26'          | 78° 51'          | 433                                     | Ditto . .                        | .....                                                                                            | Meteorological Reporter, Madras.                          |

(a) Hitherto erroneously given as 1,849·2 feet.

(b) Hitherto erroneously given as 1,585·56 feet.

(c) Hitherto erroneously given as 2,550 feet.

(d) C changed to 25·60 feet on the 1st October 1886. The barometer was removed to a different site.

\* Hitherto erroneously given as 3656·1 feet.



# DESCRIPTION OF THE STATIONS.

TABLE I.—*Latitudes, Longitudes, and Elevations of the Meteorological Observatories—concluded.*

| PROVINCES.                                  | STATIONS.      | Latitude,<br>north. | Longitude,<br>east. | Elevation<br>in feet<br>above<br>mean<br>sea-level. | Level determined. | How determined.                                             | Authority for elevation.                                                           |
|---------------------------------------------|----------------|---------------------|---------------------|-----------------------------------------------------|-------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------|
| MADRAS,<br>MYSORE<br>AND COORG<br>—concl'd. | Mangalore      | 12° 52'             | 74° 54'             | 52° 03' 25" 60                                      | Bar. cistern      | .....                                                       | B. C. Baily, Esq.                                                                  |
|                                             |                |                     |                     |                                                     | Ditto             | .....                                                       | R. P. Lemon, Esq., Sub-Divisional Officer.                                         |
|                                             | Mercara        | 12° 26'             | 75° 48'             | 3,694' 5                                            | Ditto             | Levelled from G. T. Survey B. M. on Kumdonmoti Hill.        | E. Morton, Esq., Supervisor.                                                       |
|                                             | Bangalore      | 12° 59'             | 77° 38'             | 2,981' 46                                           | Ditto             | By spirit-level to G. T. Survey B. M. near the Observatory. | Colonel Moberly, District Engr., Bangalore.                                        |
|                                             | Madras         | 13° 4'              | 80° 14'             | 22                                                  | Ditto             | .....                                                       | N. R. Pogson, Esq.                                                                 |
|                                             | Salem          | 11° 39'             | 78° 12'             | 939' 91                                             | Ditto             | By spirit-level from G. T. Survey B. M.                     | District Engr., Salem.                                                             |
|                                             | Wellington     | 11° 22'             | 76° 50'             | 6,200                                               | Barometer         | Reduced from Kumdanugi Peak.                                | Major Morant, R.E.                                                                 |
|                                             | Calicut        | 11° 15'             | 75° 49'             | 26' 58                                              | Bar. cistern      | .....                                                       | F. Chambers, Esq.                                                                  |
|                                             | Coimbatore     | 11° 0'              | 77° 0'              | 1,347' 64                                           | Ditto             | From rail-level at Coimbatore Station.                      | Colonel C. Wilkinson, R.E.                                                         |
|                                             | Trichinopoly   | 10° 50'             | 78° 44'             | 274' 85                                             | Ditto             | Levelled from S. D. R. B. M.                                | Capt. H. F. Morris, R.E.                                                           |
|                                             | Negapatam      | 10° 46'             | 79° 53'             | 15                                                  | Barometer         | By spirit-level to high-water mark half-tide estimated.     | Supdt., Metgl. Observatory, Negapatam.                                             |
|                                             | Madura         | 9° 55'              | 78° 10'             | 447' 97                                             | Bar. cistern      | Levelled from Railway Station.                              | Major A. Scott, R.E.                                                               |
|                                             | Cochin         | 9° 58'              | 76° 17'             | 11' 03                                              | Ditto             | Levelled from mean sea-level.                               | P. W. Dept.                                                                        |
|                                             | Colombo        | 6° 56'              | 79° 52'             | 40                                                  | Ditto             | By levelling                                                | J. Stoddart, Esq.                                                                  |
| CEYLON                                      | Jaffna         | 9° 40'              | 79° 56'             | 9                                                   | Ditto             | Ditto                                                       | Colonel A. B. Fyers, R.E.                                                          |
|                                             | Trincomalee    | 8° 33'              | 81° 15'             | 75                                                  | Ditto             | Ditto                                                       | Lieut.-Colonel the Hon. F. C. H. Clarke, R.A., C. M. G., Surveyor General, Ceylon. |
|                                             | Batticaloa     | 7° 43'              | 81° 44'             | 26                                                  | Ditto             | .....                                                       | Colonel A. B. Fyers, R.E.                                                          |
|                                             | Hambantota     | 6° 7'               | 81° 7'              | 40                                                  | Ditto             | .....                                                       | Ditto.                                                                             |
|                                             | Galle          | 6° 1'               | 80° 14'             | 48                                                  | Ditto             | By levelling                                                | J. Stoddart, Esq.                                                                  |
|                                             | Kandy          | 7° 18'              | 80° 40'             | 1,696                                               | Ditto             | Ditto                                                       | Colonel A. B. Fyers, R.E.                                                          |
|                                             | Newera Eliya   | 6° 46'              | 80° 47'             | 6,240                                               | Ditto             | Ditto                                                       | Ditto.                                                                             |
|                                             | Mandafay       | 21° 59'             | 96° 8'              |                                                     |                   |                                                             |                                                                                    |
|                                             | Akyab          | 20° 28'             | 92° 57'             | 20' 44                                              | Ditto             | Above half-tide level by spirit-level.                      | H. F. Blanford, Esq.                                                               |
|                                             | Thayetmyo      | 19° 22'             | 95° 12'             | 134                                                 | Ditto             | Levelled to highest flood of the Irrawaddy.                 | Lieut. R. O. Lloyd, R.E.                                                           |
| BURMA                                       | Toungoo        | 18° 57'             | 96° 24'             | 181' 1                                              | Ditto             | .....                                                       | Maurice Smith, Actg. Civil Surgeon, Toungoo.                                       |
|                                             | Bassein        | 16° 47'             | 94° 50'             | 35                                                  | Ditto             | By aneroid to half-tide level of river.                     | Dr. Baker.                                                                         |
|                                             | Diamond Island | 15° 52'             | 94° 19'             | 41                                                  | Ditto             | Levelled to mean tide-level.                                | Mr. Luke, Asst. Supdt., E. T. D.                                                   |
|                                             | Rangoon        | 16° 46'             | 96° 12'             | 40' 69                                              | Ditto             | Levelled to half-tide level.                                | Dr. A. Crombie.                                                                    |
|                                             | Moulmein       | 16° 29'             | 97° 40'             | 93' 79                                              | Ditto             | Levelled to G. T. Survey B. M. on Oozina Hill.              | Ex. Engr., Tenasserim Division.                                                    |
|                                             | Mergui         | 12° 11'             | 98° 38'             | 96' 27                                              | Ditto             | Levelled to half the highest spring-tide.                   | Ditto.                                                                             |
|                                             | Cocos Island   | 14° 6'              | 93° 21'             |                                                     |                   |                                                             |                                                                                    |
| BAY ISLANDS                                 | Port Blair     | 11° 41'             | 92° 42'             | 61' 16                                              | Ditto             | Above half-tide level by spirit-level.                      | Capt. de Wolski, R.E.                                                              |
|                                             | Nancowry       | 8° 0'               | 93° 46'             | 81                                                  | Ditto             | Ditto ditto                                                 | Ex. Engr., Andamans and Nicobars.                                                  |

# METEOROLOGY OF 1886.

The meteorology of the year is described under the following heads:—

|                                     |                       |
|-------------------------------------|-----------------------|
| TEMPERATURE OF SOLAR RADIATION.     | ATMOSPHERIC PRESSURE. |
| DURATION OF BRIGHT SUNSHINE.        | ANEMOMETRY.           |
| TEMPERATURE OF NOCTURNAL RADIATION. | HYGROMETRY.           |
| TEMPERATURE OF THE GROUND.          | CLOUD PROPORTION.     |
| TEMPERATURE OF THE AIR.             | RAINFALL.             |

## SUMMARY.

The average distribution of temperature and pressure, and the mean resultant wind directions in each month, are shewn on the Charts II to IV.

The tables, giving an abstract of the observations of all stations, form the Appendix. The full registers of the six stations, Calcutta, Lucknow, Lahore, Nagpur, Bombay, and Madras, which in the first four annual reports formed a second Appendix, are now published in a separate form.

## SOLAR RADIATION.

The solar radiation thermometer employed at Indian stations<sup>1</sup> is a self-registering mercurial thermometer, having the bulb and half-an-inch of the stem coated with lamp-black, and enclosed in a large tube, from which the greater part of the air is exhausted. Excepting at one or two of the Madras stations and Dehra, all the instruments in use during the past year have been compared, directly or indirectly, with an arbitrary standard instrument of the same construction (Casella No. 9174), by thirty readings or more, taken when the instruments compared and the standard were exposed under similar conditions to the sun's rays; and the mean difference of the readings thus ascertained has been applied as a correction to all recorded readings of the former. In some cases, this correction amounts to as much as 15° or 20°, and no registers are regarded as comparable which have not been subjected to this precautionary correction.

The temperature shewn by these instruments being that of equilibrium, when the heat received in each second from the sun and from surrounding objects is exactly equal to that radiated away in the same interval to the sky and objects around, in order that the excess of this temperature above that of the atmosphere may be taken as a measure of the solar effect, it is obvious that surrounding objects and their distance from the instrument must remain unchanged. Hence the readings, even of one and the same sun thermometer, are not comparable *inter se*, if the place of its exposure has been changed. The considerable and constant differences shewn between the maximum recorded temperatures of different stations are probably in part due to unavoidable differences in the circumstances of the exposure. In order to minimize the effect of small unavoidable variations in the character of the ground immediately below the instrument, stands, 4 feet

<sup>1</sup> Any exceptions are noted in the tables.

high, have been provided at all stations established within the last ten years, and also at the majority of the older stations. At one or two only of the latter, it has been deemed of more importance to preserve uniformity with the practice of former years than to introduce this improvement. The use of the stands is, in all cases, noticed in the tables. It is to be observed that at some of the stations the stand has been fixed rather deeper in the ground than at others, so that the height of the instrument is not uniformly 4 feet, as was intended; but the difference is generally not more than a few inches.

The air temperature, which is deducted from that of the solar thermometer, in order to obtain the excess due to radiation, is that shewn by the maximum shaded thermometer. The residue is somewhat less than the actual effect of the sun's rays, since the maximum air temperature is produced an hour or two later than the maximum solar effect; but, on an average, the error arising from this source may be regarded as uniform; and, in any case, the most accurate observation can be only a relative measure of the solar effect.

The above precautions, if strictly observed, should give observations that are fairly comparable with each other at one and the same station; but, in some instances, it has been found that the substitution of a new thermometer for one that has been injured or accidentally destroyed has been followed by such a change in the average value of the readings, as to induce a suspicion that some uneliminated error affects the readings of the substituted instrument. In order, therefore, to distinguish those registers that are not open to any suspicion of this kind, lists have been given in the reports for the six previous years of all the changes, both of the instruments employed and of their position or mode of exposure, that have been made in the eleven years 1875—85, as far as the necessary information exists in the Office.

The following is a similar list for the year 1886:—

*Dates of any change of the instruments used for registering solar temperature or of the circumstances locally affecting them.*

| Stations.           | Date of change.         | REMARKS.                     |
|---------------------|-------------------------|------------------------------|
| Mooltan . . . . .   | 15th January 1886 . . . | New thermometer substituted. |
| Ditto . . . . .     | 27th March „ . . .      | Ditto.                       |
| Murree . . . . .    | 3rd May „ . . .         | Ditto.                       |
| Sialkot . . . . .   | 5th April „ . . .       | Ditto.                       |
| Ditto . . . . .     | 1st July „ . . .        | Ditto.                       |
| Lahore . . . . .    | 20th January „ . . .    | Ditto.                       |
| Ludhiana . . . . .  | 6th June „ . . .        | Ditto.                       |
| Sirsa . . . . .     | 14th August „ . . .     | Ditto.                       |
| Bareilly . . . . .  | 11th February „ . . .   | Ditto.                       |
| Ditto . . . . .     | 30th July „ . . .       | Ditto.                       |
| Agra . . . . .      | 14th July „ . . .       | Ditto.                       |
| Lucknow . . . . .   | 10th June „ . . .       | Ditto.                       |
| Ditto . . . . .     | 13th August „ . . .     | Ditto.                       |
| Allahabad . . . . . | 1st January „ . . .     | Site of observatory changed. |

*Dates of any change of the instruments used for registering solar temperature or of the circumstances locally affecting them—continued.*

| Stations.             | Date of change.          | REMARKS.                           |
|-----------------------|--------------------------|------------------------------------|
| Dhubri . . . . .      | 11th November 1886 . . . | New thermometer substituted.       |
| Darjeeling . . . . .  | 20th June „ . . .        | Ditto.                             |
| Jessore . . . . .     | 16th April „ . . .       | Ditto.                             |
| False Point . . . . . | 22nd April „ . . .       | Ditto.                             |
| Raipur . . . . .      | 11th December „ . . .    | Ditto.                             |
| Nagpur . . . . .      | 16th April „ . . .       | Ditto.                             |
| Jubbulpore . . . . .  | 21st January „ . . .     | Ditto.                             |
| Saugor . . . . .      | 18th April „ . . .       | Ditto.                             |
| Chikalda . . . . .    | 25th November „ . . .    | Ditto.                             |
| Akola . . . . .       | 1st August „ . . .       | Ditto.                             |
| Nowgong . . . . .     | 28th January „ . . .     | Ditto.                             |
| Indore . . . . .      | 1st March „ . . .        | Ditto.                             |
| Jacobabad . . . . .   | 27th December „ . . .    | Ditto.                             |
| Hyderabad . . . . .   | 12th June „ . . .        | Ditto.                             |
| Deesa . . . . .       | 1st February „ . . .     | Ditto.                             |
| Ditto . . . . .       | 9th May „ . . .          | Ditto.                             |
| Ditto . . . . .       | 13th November „ . . .    | Ditto.                             |
| Ditto . . . . .       | 12th December „ . . .    | Ditto.                             |
| Sholapur . . . . .    | 1st April „ . . .        | Ditto.                             |
| Ditto . . . . .       | 26th June „ . . .        | Ditto.                             |
| Rajahmundry . . . . . | 6th August „ . . .       | Ditto.                             |
| Bangalore . . . . .   | 6th December „ . . .     | Instruments removed to a new shed. |
| Akyab . . . . .       | 4th July „ . . .         | New thermometer substituted.       |
| Ditto . . . . .       | 8th December „ . . .     | Ditto.                             |
| Mergui . . . . .      | 23rd August „ . . .      | Site of observatory changed.       |

Table I [Appendix] gives abstracts of the registers of 109 stations, *viz.*, the means of all readings, the highest and lowest readings in each month, the mean excess of the sun thermometer readings above those of the maximum thermometer in shade, and the greatest and the least differences. The solar radiation observations of an unusually large number of stations for 1886 have been rejected, in consequence of the very large discrepancies which they shewed. These were in some cases evidently due to carelessness on the part of the observer, and at others apparently to slight defects in the instruments, which gradually increased in amount with time. Several of the abstracts are also very imperfect. This is mainly due to breakage of the instruments. They are very fragile, and are especially liable to destruction from storms, hail, and other causes, and it usually takes some time before they are replaced. Of the data given in Table I, the mean of all the readings and their mean excess both depend mainly on the frequency and quantity of cloud and haze.

These temperatures afford a rough criterion of the average intensity of insolation at the earth's surface. The mean temperature, being partly dependent on that of the air, shews a regular annual variation. The mean excess temperature presents an annual variation of, in general, much smaller range, and of a different character, and varying, more or less, at different stations. Its chief feature is that the maximum intensity of solar radiation occurs, as a rule, some time in the winter half of the year (October to March), when the sun is in southern declination, and the thickness of the absorbing atmosphere traversed by the sun's rays is a maximum, while its minimum falls about midsummer (in May, June, or July). This apparently anomalous result is, doubtless, in part due to the fact that, over a large part of India, the atmosphere is most cloudy in the summer and autumn months, but not entirely so; for if, instead of taking the mean excess of insolation temperature on all days of the month, we select those on which, at 10 A.M. and 4 P.M., the sky is free from visible clouds, or on which the average cloud proportion does not exceed one-fifth of the sky expanse, an annual variation, almost identical in character, and not always even of smaller range, still presents itself. Illustrations of this fact were given in the Report for 1880.

Table II, below, gives the average monthly excess temperature of the sun-thermometer, derived from the registers of three years and upwards, except in a few cases, in which the substitution of a new instrument has been followed by such a change in the average value of the readings as to render the present readings not comparable with the previous. It has been assumed in other cases that variations in the instruments used at different times are approximately eliminated by the correction of their readings to a common standard, in the manner noticed in the first paragraph of this section.

Table III gives the differences of the mean excess insolation temperatures in each month of 1886, from the corresponding values in Table II. Some of these seem of doubtful value, although all have been struck out that, on the grounds of internal evidence, could be inferred to be probably inaccurate.

TABLE II.—Average Excess of Insolation over the corresponding Maximum Shade Temperatures.

| STATIONS.         | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|-------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Aden . . .        | 4—6    | 52·4     | 52·5      | 52·7   | 49·7   | 47·7 | 46·8  | 46·0  | 46·1    | 50·7       | 50·9     | 49·9      | 50·9      | 49·7  |
| Bushire . .       | 7—10   | 67·3     | 69·7      | 70·3   | 70·2   | 66·6 | 65·1  | 63·7  | 64·6    | 63·6       | 63·6     | 65·0      | 65·6      | 66·3  |
| Quetta . . .      | 4—5    | 63·6     | 69·8      | 67·6   | 67·5   | 65·2 | 63·5  | 63·4  | 63·9    | 64·8       | 65·1     | 65·1      | 66·9      | 65·5  |
| Leh . . . .       | 3—4    | 60·8     | 67·2      | 67·5   | 68·6   | 65·4 | 60·9  | 56·1  | 57·5    | 57·8       | 60·6     | 58·2      | 59·3      | 61·7  |
| Mooltan . .       | 8—10   | 52·0     | 55·9      | 55·9   | 54·9   | 53·6 | 50·5  | 51·6  | 52·2    | 51·0       | 50·9     | 53·5      | 52·9      | 52·9  |
| Dera Ismail Khan. | 5—9    | 54·1     | 58·5      | 61·4   | 62·4   | 59·5 | 54·5  | 55·3  | 56·3    | 56·1       | 54·9     | 54·5      | 51·8      | 56·6  |
| Peshawar . .      | 8—10   | 51·2     | 56·6      | 59·3   | 59·8   | 58·1 | 54·4  | 53·8  | 56·4    | 56·5       | 56·0     | 53·6      | 52·1      | 55·7  |
| Murree . . .      | 8—10   | 60·3     | 66·6      | 65·6   | 66·2   | 65·5 | 64·1  | 65·3  | 65·9    | 65·1       | 61·7     | 58·8      | 59·0      | 63·7  |
| Rawalpindi .      | 9—11   | 50·5     | 54·4      | 59·8   | 61·9   | 60·6 | 58·3  | 59·7  | 59·5    | 57·0       | 54·6     | 52·7      | 50·4      | 56·6  |
| Sialkot . . .     | 3—4    | 24·7     | 33·8      | 40·1   | 47·6   | 46·8 | 46·1  | 47·8  | 46·7    | 43·4       | 37·3     | 30·9      | 25·7      | 39·2  |
| Lahore . . .      | 10—11  | 50·9     | 55·9      | 57·9   | 59·0   | 56·3 | 53·8  | 55·8  | 56·8    | 56·3       | 55·0     | 53·6      | 46·4      | 54·8  |
| Ludhiana . .      | 6—8    | 50·9     | 56·0      | 58·3   | 59·5   | 55·9 | 53·2  | 54·7  | 56·3    | 56·3       | 55·1     | 53·2      | 50·6      | 55·0  |
| Delhi . . . .     | 9—11   | 53·2     | 57·0      | 56·4   | 57·6   | 55·6 | 51·8  | 55·9  | 58·0    | 55·0       | 54·1     | 53·0      | 52·4      | 54·9  |

TABLE II.—Average Excess of Insolation over the corresponding Maximum Shade Temperatures—  
continued.

| STATIONS.                | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Sirsa . . .              | 7-10   | 59.9     | 64.0      | 64.1   | 63.9   | 60.9 | 58.6  | 62.1  | 63.7    | 61.8       | 60.3     | 59.6      | 59.2      | 61.5  |
| Chakrata . . .           | 7-9    | 66.7     | 70.1      | 67.9   | 67.5   | 67.3 | 65.6  | 61.2  | 63.7    | 68.4       | 65.3     | 63.7      | 62.9      | 65.9  |
| Roorkee . . .            | 7-8    | 55.1     | 58.6      | 57.7   | 56.9   | 54.8 | 52.9  | 57.4  | 57.3    | 57.3       | 56.5     | 56.0      | 54.9      | 56.3  |
| Ranikhet . . .           | 9-10   | 61.4     | 63.4      | 65.4   | 63.7   | 62.7 | 61.2  | 57.4  | 60.5    | 66.2       | 64.0     | 63.5      | 60.5      | 62.5  |
| Meerut . . .             | 9-10   | 53.7     | 59.2      | 60.0   | 60.4   | 59.6 | 56.6  | 58.7  | 57.9    | 57.5       | 54.9     | 52.5      | 51.1      | 56.8  |
| Bareilly . . .           | 6-9    | 48.3     | 52.5      | 52.0   | 52.6   | 53.8 | 52.7  | 54.4  | 53.8    | 54.6       | 50.0     | 49.0      | 46.9      | 51.7  |
| Agra . . .               | 8-9    | 60.0     | 63.2      | 63.9   | 63.7   | 61.2 | 58.3  | 57.4  | 57.8    | 61.1       | 60.8     | 60.0      | 59.3      | 60.6  |
| Lucknow . . .            | 8-11   | 59.7     | 63.0      | 62.4   | 59.3   | 58.4 | 58.7  | 57.9  | 61.6    | 62.3       | 59.6     | 59.2      | 59.8      | 60.2  |
| Gorakhpur . . .          | 7-8    | 55.0     | 57.7      | 58.5   | 55.7   | 55.5 | 54.8  | 56.0  | 57.0    | 58.8       | 56.8     | 55.9      | 54.0      | 56.3  |
| Jhansi . . .             | 8-10   | 57.7     | 59.3      | 59.1   | 61.1   | 62.7 | 60.4  | 57.1  | 56.2    | 61.0       | 62.0     | 59.7      | 57.3      | 59.5  |
| Allahabad . . .          | 11     | 56.2     | 62.6      | 62.4   | 57.6   | 57.2 | 58.7  | 61.1  | 63.1    | 60.7       | 58.1     | 56.1      | 57.0      | 59.2  |
| Benares . . .            | 7-8    | 57.2     | 59.5      | 59.6   | 58.2   | 57.5 | 56.6  | 56.3  | 55.9    | 59.6       | 57.2     | 56.5      | 55.4      | 57.5  |
| Ghazipur . . .           | 4-5    | 50.4     | 52.6      | 53.2   | 51.1   | 51.3 | 51.5  | 51.4  | 51.1    | 53.7       | 51.3     | 51.1      | 49.3      | 51.5  |
| Katmandu . . .           | 3-4    | 52.1     | 58.2      | 57.6   | 53.8   | 57.7 | 58.4  | 59.2  | 57.0    | 57.5       | 54.6     | 51.4      | 49.1      | 55.6  |
| Sibsagar . . .           | 6-7    | 54.9     | 53.7      | 53.7   | 52.8   | 56.4 | 57.4  | 55.8  | 57.3    | 57.9       | 60.2     | 59.3      | 55.8      | 56.3  |
| Dhubri . . .             | 3-5    | 48.2     | 50.6      | 48.7   | 52.2   | 54.9 | 54.4  | 59.0  | 55.8    | 53.4       | 53.4     | 51.3      | 50.0      | 52.7  |
| Silchar . . .            | 4-5    | 50.8     | 53.4      | 52.0   | 52.9   | 51.4 | 51.1  | 53.8  | 53.7    | 52.8       | 51.8     | 50.2      | 49.9      | 52.0  |
| Darjeeling . . .         | 3-5    | 57.8     | 63.2      | 65.3   | 64.9   | P    | P     | 60.9  | 58.2    | 56.6       | 64.0     | 64.2      | 56.9      | P     |
| Purneah . . .            | 4-7    | 48.4     | 49.9      | 52.1   | 51.7   | 52.7 | 50.7  | 54.4  | 53.4    | 52.6       | 54.8     | 50.4      | 47.9      | 51.6  |
| Patna . . .              | 5-6    | 45.0     | 46.6      | 46.6   | 45.8   | 46.5 | 46.8  | 44.5  | 45.4    | 47.5       | 46.1     | 46.5      | 44.6      | 46.0  |
| Berhampore . . .         | 4-5    | 57.9     | 60.3      | 58.8   | 61.7   | 63.0 | 63.5  | 65.5  | 63.6    | 64.4       | 61.6     | 59.7      | 58.3      | 61.5  |
| Burdwan . . .            | 9      | 59.0     | 58.8      | 57.7   | 56.3   | 58.6 | 59.2  | 62.1  | 62.3    | 62.2       | 62.1     | 60.1      | 58.7      | 59.8  |
| Jessore . . .            | 6-8    | 52.9     | 54.6      | 52.9   | 52.6   | 54.9 | 52.1  | 55.2  | 53.1    | 54.4       | 56.7     | 55.2      | 53.4      | 54.0  |
| Dacca . . .              | 7-8    | 57.4     | 58.6      | 58.3   | 59.6   | 62.4 | 57.2  | 60.8  | 58.7    | 59.8       | 61.2     | 60.3      | 58.4      | 59.4  |
| Chittagong . . .         | 6-7    | 60.4     | 60.4      | 60.4   | 60.5   | 60.0 | 55.1  | 59.9  | 60.2    | 61.8       | 61.1     | 57.7      | 59.5      | 59.8  |
| Calcutta (Alipore) . . . | 9-10   | 54.1     | 56.4      | 56.4   | 56.8   | 58.3 | 54.6  | 56.8  | 55.5    | 56.6       | 57.1     | 55.0      | 53.3      | 55.9  |
| Saugor Island . . .      | 6-7    | 60.0     | 59.0      | 58.3   | 59.0   | 58.5 | 53.4  | 53.5  | 52.3    | 55.6       | 57.9     | 60.7      | 59.4      | 57.3  |
| False Point . . .        | 3-5    | 56.1     | 58.8      | 60.9   | 61.8   | 61.7 | 60.7  | 60.8  | 58.5    | 58.8       | 59.1     | 55.4      | 54.2      | 58.9  |
| Raipur . . .             | 8-9    | 49.8     | 51.5      | 54.6   | 55.1   | 56.7 | 55.6  | 56.1  | 57.5    | 58.8       | 55.9     | 52.4      | 49.8      | 54.5  |
| Nagpur . . .             | 7-8    | 58.4     | 58.7      | 57.9   | 59.2   | 58.8 | 56.4  | 53.5  | 59.6    | 62.7       | 62.4     | 60.3      | 58.5      | 58.9  |
| Seoni . . .              | 9-10   | 58.0     | 58.5      | 57.9   | 57.9   | 57.7 | 54.9  | 53.3  | 56.4    | 62.1       | 61.3     | 59.8      | 57.5      | 57.9  |
| Jubbulpore . . .         | 9-10   | 63.3     | 64.5      | 62.6   | 63.2   | 63.1 | 60.7  | 61.1  | 63.3    | 65.9       | 64.9     | 62.7      | 63.0      | 63.2  |
| Saugor . . .             | 6-8    | 62.0     | 63.4      | 62.8   | 63.0   | 61.5 | 61.2  | 59.4  | 62.7    | 64.2       | 60.7     | 59.3      | 59.9      | 61.7  |
| Pachmarhi . . .          | 7-10   | 61.9     | 62.3      | 62.2   | 61.1   | 60.2 | 59.8  | 52.0  | 57.0    | 63.6       | 62.8     | 61.9      | 60.8      | 60.5  |



TABLE II.—Average Excess of Insolation over the corresponding Maximum Shade Temperatures—continued.

| STATIONS.    | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Hoshangabad  | 6—10   | 55.8     | 57.7      | 58.6   | 58.9   | 58.6 | 57.7  | 52.6  | 55.2    | 58.0       | 58.7     | 57.1      | 56.1      | 57.1  |
| Khandwa      | 5—7    | 58.6     | 59.6      | 59.8   | 59.6   | 58.2 | 57.1  | 56.3  | 60.3    | 61.4       | 61.7     | 59.7      | 58.0      | 59.2  |
| Chanda       | 8—9    | 44.9     | 46.0      | 47.0   | 49.9   | 50.7 | 50.1  | 49.0  | 51.0    | 53.0       | 50.3     | 45.9      | 43.7      | 48.5  |
| Sironcha     | 10—11  | 56.3     | 55.4      | 54.0   | 54.6   | 54.3 | 53.1  | 51.4  | 55.9    | 59.6       | 60.1     | 59.1      | 55.8      | 55.8  |
| Chikalda     | 5—7    | 67.2     | 67.3      | 67.0   | 67.2   | 65.9 | 63.2  | 57.4  | 63.8    | 68.7       | 71.2     | 68.9      | 62.2      | 65.8  |
| Buldana      | 7—8    | 48.8     | 51.6      | 54.9   | 56.2   | 57.2 | 56.9  | 57.2  | 58.6    | 56.1       | 55.1     | 49.8      | 46.4      | 54.1  |
| Akola        | 6—8    | 59.7     | 59.3      | 59.3   | 58.6   | 57.6 | 56.3  | 53.3  | 58.4    | 60.9       | 62.0     | 60.1      | 59.3      | 58.7  |
| Amraoti      | 8—10   | 55.9     | 55.4      | 55.0   | 54.8   | 53.9 | 52.3  | 50.3  | 54.3    | 59.4       | 58.9     | 56.4      | 56.0      | 55.2  |
| Neemuch      | 6—7    | 63.5     | 64.1      | 61.8   | 59.7   | 58.2 | 59.7  | 60.5  | 63.6    | 64.0       | 62.5     | 63.4      | 64.9      | 62.2  |
| Nowgong      | 4—6    | 56.3     | 59.9      | 58.6   | 56.3   | 54.6 | 53.2  | 53.5  | 54.8    | 56.9       | 57.1     | 59.0      | 56.8      | 56.4  |
| Sutna        | 10—11  | 58.0     | 59.4      | 58.8   | 58.3   | 57.7 | 58.5  | 57.7  | 59.6    | 62.0       | 59.3     | 58.1      | 57.6      | 58.8  |
| Indore       | 6—8    | 58.0     | 59.7      | 60.5   | 58.9   | 57.5 | 57.9  | 55.5  | 59.0    | 61.8       | 62.2     | 59.1      | 58.1      | 59.0  |
| Bickaneer    | 5—7    | 69.8     | 73.5      | 72.9   | 70.7   | 67.1 | 64.6  | 67.8  | 69.9    | 66.9       | 68.5     | 69.8      | 69.5      | 69.3  |
| Jeypore      | 6      | 54.8     | 58.5      | 60.3   | 60.0   | 58.7 | 58.5  | 57.9  | 59.5    | 58.4       | 55.9     | 53.5      | 52.8      | 57.4  |
| Sambhar      | 5—7    | 55.2     | 59.6      | 61.1   | 62.4   | 59.7 | 57.8  | 60.2  | 57.9    | 57.4       | 55.5     | 54.6      | 52.7      | 57.8  |
| Ajmere       | 5—6    | 52.6     | 54.7      | 55.1   | 55.2   | 53.2 | 51.6  | 54.1  | 54.2    | 54.4       | 50.7     | 50.2      | 50.1      | 53.0  |
| Mount Abu    | 6—9    | 62.7     | 65.4      | 64.8   | 63.4   | 59.8 | 60.1  | 55.7  | 55.2    | 61.9       | 62.3     | 62.1      | 62.2      | 61.3  |
| Pachpadra    | 4—6    | 62.1     | 64.1      | 62.3   | 62.8   | 61.7 | 65.6  | 67.0  | 65.6    | 63.1       | 60.1     | 60.2      | 60.8      | 63.0  |
| Jacobabad    | 6—10   | 60.0     | 62.6      | 62.7   | 62.9   | 60.1 | 56.0  | 57.8  | 59.8    | 60.0       | 59.5     | 58.7      | 58.4      | 59.9  |
| Hyderabad    | 7—9    | 60.0     | 61.7      | 61.1   | 60.7   | 56.9 | 57.9  | 58.8  | 60.7    | 59.1       | 58.2     | 59.1      | 59.6      | 59.5  |
| Kurrachee    | 9—11   | 64.8     | 67.5      | 69.1   | 68.7   | 67.2 | 67.5  | 67.2  | 67.9    | 68.0       | 64.8     | 64.0      | 63.7      | 66.7  |
| Bhuj         | 8—10   | 63.7     | 65.9      | 65.0   | 62.3   | 60.5 | 63.2  | 62.5  | 62.8    | 65.1       | 61.8     | 61.6      | 62.1      | 63.0  |
| Rajkot       | 4—7    | 56.7     | 57.9      | 57.6   | 56.0   | 52.3 | 54.5  | 50.7  | 56.6    | 57.0       | 58.3     | 56.5      | 57.0      | 55.9  |
| Deesa        | 8—9    | 53.0     | 55.7      | 55.3   | 53.9   | 50.8 | 53.7  | 54.6  | 54.7    | 55.8       | 52.3     | 52.2      | 52.5      | 53.7  |
| Surat        | 8—10   | 56.2     | 57.1      | 56.2   | 55.6   | 55.4 | 55.0  | 53.9  | 58.5    | 59.5       | 56.1     | 56.0      | 55.7      | 56.3  |
| Malegaon     | 8—10   | 58.2     | 57.2      | 57.6   | 56.1   | 54.7 | 55.3  | 54.8  | 57.6    | 60.6       | 60.3     | 58.6      | 56.4      | 57.3  |
| Bombay       | 10—11  | 57.3     | 58.3      | 57.2   | 57.3   | 56.3 | 50.7  | 46.2  | 51.6    | 55.6       | 56.6     | 56.5      | 56.6      | 55.0  |
| Poona        | 6—8    | 54.2     | 53.9      | 53.9   | 52.6   | 49.9 | 50.7  | 51.5  | 55.4    | 57.9       | 56.8     | 54.1      | 53.3      | 53.7  |
| Sholapur     | 5—7    | 63.9     | 62.8      | 63.1   | 62.7   | 61.2 | 59.8  | 56.9  | 60.6    | 65.4       | 67.6     | 63.3      | 63.2      | 62.5  |
| Ratnagiri    | 9—10   | 57.3     | 58.2      | 58.1   | 57.1   | 56.0 | 50.3  | 49.1  | 53.9    | 58.6       | 58.7     | 56.6      | 56.5      | 55.9  |
| Belgaum      | 7—8    | 61.0     | 61.0      | 61.2   | 59.8   | 59.0 | 60.6  | 59.0  | 61.6    | 66.5       | 66.0     | 62.1      | 61.6      | 61.6  |
| Karwar       | 6—7    | 61.4     | 62.9      | 61.6   | 61.0   | 60.3 | 52.2  | 46.5  | 55.2    | 60.4       | 62.1     | 60.2      | 60.6      | 58.7  |
| Secunderabad | 3      | P        | P         | 54.7   | 53.4   | 52.9 | 47.9  | 42.0  | 47.1    | 53.1       | 55.7     | 54.1      | 51.8      | P     |
| Kurnool      | 3      | P        | 60.6      | 59.1   | 56.7   | 57.2 | 58.2  | 56.8  | 59.6    | P          | P        | 52.5      | 50.0      | P     |

TABLE II.—Average Excess of Insolation over the corresponding Maximum Shade Temperatures—concluded.

| STATIONS.          | Year. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------|-------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Mangalore . . .    | 6—7   | 60.9     | 61.7      | 61.4   | 59.8   | 58.8 | 53.9  | 52.8  | 59.0    | 65.4       | 63.8     | 61.6      | 60.4      | 60.0  |
| Mercara . . .      | 6—7   | 67.1     | 68.2      | 68.3   | 67.5   | 67.9 | 59.6  | 53.6  | 60.8    | 66.3       | 69.9     | 68.0      | 66.6      | 65.3  |
| Bangalore . . .    | 4—5   | 49.5     | 49.6      | 50.1   | 51.8   | 49.2 | 46.8  | 45.3  | 49.7    | 50.7       | 50.9     | 47.7      | 47.2      | 49.0  |
| Salem . . .        | 4—5   | 48.0     | 46.4      | 43.8   | 44.2   | 40.3 | 39.2  | 38.6  | 41.9    | 43.2       | 42.9     | 43.3      | 44.0      | 43.0  |
| Wellington . . .   | 4—5   | 58.9     | 58.6      | 56.7   | 55.2   | 53.6 | 52.4  | 48.5  | 52.8    | 56.9       | 57.2     | 56.4      | 54.4      | 55.1  |
| Coimbatore . . .   | 4—5   | 52.8     | 51.7      | 50.6   | 50.0   | 50.3 | 53.2  | 52.3  | 55.8    | 56.6       | 54.6     | 53.3      | 52.5      | 52.8  |
| Trichinopoly . . . | 4—5   | 53.7     | 53.4      | 51.1   | 49.8   | 45.1 | 45.1  | 45.4  | 47.7    | 48.5       | 48.1     | 46.3      | 46.2      | 48.4  |
| Cochin . . .       | 4—5   | 44.6     | 44.6      | 43.3   | 43.1   | 40.7 | 35.7  | 35.4  | 40.6    | 43.7       | 42.9     | 42.2      | 42.0      | 41.6  |
| Akyab . . .        | 3—5   | 44.7     | 46.5      | 47.8   | 47.4   | 47.3 | 42.1  | 41.8  | 40.5    | 46.8       | 46.0     | 42.5      | 43.6      | 44.8  |
| Thayetmyo . . .    | 8—10  | 47.5     | 47.9      | 49.2   | 51.2   | 55.9 | 61.4  | 62.2  | 61.6    | 58.1       | 54.1     | 50.8      | 48.0      | 54.0  |
| Toungoo . . .      | 3     | p        | p         | p      | p      | 61.4 | 64.4  | 61.8  | 62.0    | 64.8       | 61.9     | 57.5      | 57.6      | p     |
| Bassein . . .      | 9—10  | 56.2     | 55.4      | 53.7   | 53.7   | 53.9 | 52.0  | 50.2  | 51.4    | 56.9       | 59.2     | 57.1      | 57.6      | 54.8  |
| Rangoon . . .      | 8—10  | 59.6     | 58.0      | 56.8   | 58.8   | 58.4 | 57.1  | 55.8  | 56.5    | 61.9       | 62.4     | 59.3      | 60.0      | 58.7  |
| Moulmein . . .     | 8—11  | 54.8     | 55.0      | 56.2   | 58.0   | 58.3 | 56.3  | 48.4  | 53.6    | 59.1       | 60.5     | 55.3      | 51.8      | 55.6  |
| Mergui . . .       | 6—9   | 59.0     | 59.5      | 59.3   | 59.0   | 58.2 | 51.0  | 49.9  | 54.0    | 54.6       | 58.9     | 57.6      | 57.4      | 56.5  |
| Port Blair . . .   | 10—11 | 53.7     | 53.8      | 55.7   | 55.8   | 51.7 | 48.9  | 49.5  | 51.9    | 50.8       | 54.4     | 52.0      | 52.4      | 52.6  |
| Nancowry . . .     | 10—11 | 58.4     | 60.1      | 60.4   | 58.5   | 52.9 | 51.3  | 51.9  | 54.7    | 54.1       | 55.5     | 56.5      | 54.6      | 55.7  |

TABLE III.—Comparison of Excess Sun (over Shade) Temperatures in 1886, with the averages of Table II.

| STATIONS.        | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Aden . . .       | +0.6     | +1.9      | +2.5   | +1.4   | +1.8 | +1.4  | +1.5  | +2.8    | p          | p        | p         | p         | p     |
| Bushire . . .    | +0.8     | +1.6      | +1.8   | —0.6   | —0.1 | +1.4  | —0.5  | —2.1    | —0.4       | +3.7     | +4.7      | —0.9      | +0.8  |
| Quetta . . .     | —3.1     | —2.5      | +1.4   | +3.1   | —0.9 | +1.7  | +1.9  | +0.9    | —0.1       | +0.5     | —1.4      | —0.2      | +0.1  |
| Leh . . .        | —4.5     | —6.1      | —2.0   | —2.3   | —4.1 | —3.8  | —1.2  | —0.9    | —2.7       | —3.9     | —1.7      | —4.1      | —3.1  |
| Mooltan . . .    | +2.0     | +3.0      | +0.9   | +2.3   | +2.0 | +3.1  | —2.9  | —6.9    | —7.5       | —8.7     | +0.1      | +0.6      | —1.0  |
| Peshawar . . .   | —4.8     | +2.6      | —0.9   | +4.5   | +1.2 | +1.3  | +4.4  | +3.8    | +3.4       | +1.2     | —1.2      | +0.9      | +1.4  |
| Murree . . .     | —10.2    | +1.9      | p      | p      | —2.0 | —1.7  | —1.9  | —1.9    | —3.6       | —1.6     | —0.1      | —0.4      | p     |
| Rawalpindi . . . | —1.9     | +1.1      | —1.7   | —4.4   | —2.3 | —2.9  | +0.2  | —3.0    | —4.4       | —5.0     | —3.4      | —1.7      | —2.5  |
| Sialkot . . .    | —1.9     | —2.2      | —5.8   | +4.1   | p    | p     | +6.7  | +5.8    | +3.6       | +5.3     | +5.3      | +5.1      | p     |
| Lahore . . .     | +0.7     | +3.7      | —0.2   | +0.1   | +1.5 | +1.1  | +3.1  | +1.1    | +0.4       | +1.9     | +0.5      | p         | p     |

TABLE III.—Comparison of Excess Sun (over Shade) Temperatures in 1886, with the averages of Table II—continued.

| STATIONS.                    | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Delhi . . . . .              | −1'4     | −1'6      | 0      | −5'1   | −3'0 | −1'5  | +1'6  | −1'0    | −4'2       | −2'9     | −3'8      | −2'2      | −2'1  |
| Sirsa . . . . .              | P        | P         | P      | P      | P    | P     | P     | P       | −3'2       | +0'9     | −1'1      | −0'8      | P     |
| Chakrata . . . . .           | −6'5     | +5'8      | −4'6   | −2'4   | −6'8 | −1'5  | −3'4  | −3'1    | −3'7       | −2'0     | −4'0      | −2'3      | −2'9  |
| Roorkee . . . . .            | −2'2     | −2'9      | −3'9   | −3'4   | −1'9 | −2'4  | −0'2  | +0'5    | −1'9       | −1'9     | −2'9      | −4'0      | −2'3  |
| Ranikhet . . . . .           | 0        | +0'6      | −4'3   | −1'8   | +1'1 | +2'0  | +0'4  | +1'5    | +1'8       | +2'5     | −0'2      | −4'0      | 0     |
| Meerut . . . . .             | +0'4     | +2'4      | +0'7   | +1'7   | −0'2 | −3'5  | −0'9  | +0'5    | +1'1       | +1'5     | +0'4      | −2'2      | +0'2  |
| Bareilly . . . . .           | P        | P         | +1'3   | +1'1   | +2'4 | −0'3  | P     | +2'4    | −0'8       | +0'8     | −3'2      | −3'5      | P     |
| Agra . . . . .               | +4'3     | +5'0      | +4'2   | +4'9   | +3'6 | +3'0  | +3'1  | +2'4    | −1'2       | +0'4     | −1'5      | −1'3      | +2'2  |
| Lucknow . . . . .            | +0'5     | −3'7      | −3'9   | −3'6   | −1'6 | −7'6  | −0'8  | P       | +0'7       | −6'9     | −3'7      | −3'3      | P     |
| Gorakhpur . . . . .          | −2'2     | −3'3      | −3'3   | −2'6   | −2'5 | −2'5  | +1'1  | +1'4    | +0'8       | −3'3     | −1'1      | −1'2      | −1'6  |
| Jhansi . . . . .             | +0'9     | +3'4      | +2'9   | +2'0   | +5'6 | −1'6  | −17'3 | −13'6   | −3'0       | +0'9     | +1'2      | +4'1      | −1'2  |
| Allahabad . . . . .          | 0        | −0'7      | 0      | +1'5   | +2'1 | +0'4  | +0'1  | −6'3    | +2'6       | +3'4     | +3'9      | +0'7      | +0'6  |
| Benares . . . . .            | +1'8     | +1'4      | +1'4   | +1'6   | +1'3 | +0'8  | −2'3  | −0'4    | −0'9       | +1'9     | +2'6      | +2'6      | +1'0  |
| Ghazipur . . . . .           | −2'3     | −1'0      | +1'9   | −0'6   | −1'6 | −1'6  | −4'3  | −1'5    | +0'4       | −0'2     | −0'5      | +1'6      | −0'8  |
| Katmandu . . . . .           | +3'5     | +4'3      | +4'4   | +3'4   | +3'5 | +0'9  | +2'1  | +1'3    | −0'1       | −0'4     | −0'4      | −1'9      | +1'7  |
| Sibsagar . . . . .           | +0'3     | 0         | +3'1   | +3'1   | −1'2 | +0'3  | −3'9  | −2'8    | +2'5       | −0'5     | −3'7      | +1'8      | −0'1  |
| Dhubri . . . . .             | P        | P         | P      | P      | P    | P     | P     | P       | P          | P        | +1'2      | +4'3      | P     |
| Silchar . . . . .            | −0'7     | −0'7      | −1'2   | −1'5   | −0'1 | −0'6  | −2'7  | −4'7    | −2'4       | +1'3     | −1'1      | −0'9      | −1'3  |
| Darjeeling . . . . .         | −1'9     | −1'1      | −1'1   | +3'6   | P    | P     | P     | P       | −10'8      | −0'9     | −3'8      | −1'6      | P     |
| Purneah . . . . .            | −2'8     | −3'4      | −4'7   | −4'8   | −3'3 | −2'6  | −6'7  | −5'7    | −8'9       | −4'4     | −3'7      | −2'5      | −4'5  |
| Patna . . . . .              | −0'2     | −1'2      | +0'5   | −0'3   | −0'2 | +0'5  | −1'9  | −1'5    | +1'0       | +0'2     | −0'9      | −0'3      | −0'4  |
| Berhampore . . . . .         | −0'6     | −1'6      | +1'5   | −1'8   | +0'4 | −1'2  | −0'4  | +0'4    | −1'6       | +1'3     | 0         | +0'7      | −0'2  |
| Burdwan . . . . .            | −1'6     | −0'9      | −1'0   | −1'9   | −2'7 | −2'5  | 0     | −1'8    | −0'4       | +2'1     | −3'2      | −0'7      | −1'2  |
| Jessore . . . . .            | P        | P         | P      | P      | −0'9 | 0     | −2'4  | −4'5    | −4'7       | +2'0     | −0'3      | +0'3      | P     |
| Dacca . . . . .              | −0'9     | −1'3      | −2'1   | −2'2   | −2'4 | −0'8  | −3'5  | −8'0    | −6'9       | −2'7     | −6'4      | −5'8      | −3'6  |
| Chittagong . . . . .         | −1'5     | −1'4      | −1'8   | −3'4   | −1'8 | −3'5  | −4'2  | −4'0    | −3'3       | −0'1     | +1'3      | −2'2      | −2'2  |
| Calcutta (Alipore) . . . . . | −0'8     | −1'0      | −1'5   | −1'7   | +0'4 | +2'0  | +2'9  | +2'8    | +1'2       | +2'0     | −1'2      | −1'2      | +0'3  |
| Saugor Island . . . . .      | +2'9     | +2'3      | −0'5   | −1'3   | +1'6 | −1'5  | −2'7  | −2'4    | −1'8       | 0        | −3'2      | −0'5      | −0'6  |
| False Point . . . . .        | −1'3     | −1'8      | −1'3   | P      | −4'5 | −7'2  | −4'0  | −3'2    | −3'2       | −3'1     | −5'8      | −5'5      | P     |
| Raipur . . . . .             | −4'9     | +1'1      | −0'9   | −1'5   | −3'5 | +1'2  | −6'0  | −2'0    | P          | P        | P         | +9'7      | P     |
| Nagpur . . . . .             | P        | P         | P      | P      | +0'1 | +3'8  | +1'0  | +0'3    | −0'1       | −1'6     | −1'2      | −0'7      | P     |
| Seoni . . . . .              | −2'8     | −0'7      | −1'3   | −4'8   | −4'1 | −1'8  | −4'6  | −3'8    | P          | −3'7     | −3'7      | −2'2      | P     |
| Jubbulpore . . . . .         | P        | −4'5      | −1'7   | −3'4   | −3'8 | 0     | −3'3  | +0'6    | −1'0       | −0'2     | −2'4      | −3'7      | P     |
| Saugor . . . . .             | P        | P         | P      | P      | −1'6 | −5'4  | −5'0  | −6'7    | −3'6       | −1'7     | −2'6      | −5'9      | P     |

TABLE III.—Comparison of Excess Sun (over Shade) Temperatures in 1886, with the averages of Table II—continued.

| STATIONS.          | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Pachmarhi . . .    | +0.4     | -0.1      | -1.4   | -1.4   | +0.4 | +4.9  | -1.2  | -0.2    | -0.5       | -1.3     | -1.1      | -2.9      | -0.4  |
| Hoshangabad . . .  | +3.0     | +2.1      | +2.3   | -2.1   | -2.9 | -0.7  | 0     | +0.4    | -1.2       | -3.8     | -6.0      | P         | P     |
| Khandwa . . .      | -0.5     | -1.3      | -0.1   | +0.3   | +1.2 | +1.6  | +2.4  | +3.1    | -0.6       | +0.7     | +0.8      | -2.2      | +0.5  |
| Sironcha . . .     | -3.8     | -2.2      | -0.7   | -3.1   | -2.4 | +1.4  | -1.5  | -1.5    | -3.5       | -1.6     | -2.4      | P         | P     |
| Chikalda . . .     | +1.2     | +0.1      | +0.9   | -1.3   | -0.5 | +0.4  | -1.1  | -0.3    | +1.9       | -1.6     | +0.4      | -15.4     | -1.3  |
| Amraoti . . .      | -2.7     | -1.6      | +0.2   | -1.9   | -0.4 | +2.4  | +2.5  | +2.5    | +2.6       | +1.8     | -0.2      | +0.9      | +0.5  |
| Neemuch . . .      | +2.5     | +1.4      | +1.1   | +1.4   | +1.5 | +3.0  | +4.9  | +1.5    | +2.8       | +3.4     | +2.4      | +4.6      | +2.5  |
| Nowgong . . .      | -2.6     | -1.0      | -1.2   | +0.5   | +0.9 | +3.7  | -0.9  | +3.0    | -0.2       | +1.4     | -0.1      | -0.3      | +0.3  |
| Sutna . . .        | -3.0     | -4.7      | -3.2   | -3.9   | -4.2 | -1.3  | -1.9  | -2.3    | -3.8       | -1.2     | -2.1      | -0.9      | -2.7  |
| Indore . . .       | -7.8     | -9.3      | P      | 0      | -0.8 | -0.7  | -2.3  | -1.1    | -2.3       | -0.4     | +0.5      | -1.8      | P     |
| Bickaneer . . .    | -2.4     | -2.2      | -2.6   | -1.0   | -1.3 | -1.5  | -1.1  | -3.4    | -2.1       | -2.4     | -6.4      | -7.2      | -2.8  |
| Jeypore . . .      | -1.3     | -1.2      | -1.1   | -0.8   | -1.8 | -1.6  | +2.3  | +1.8    | -2.1       | +0.7     | -1.7      | +0.6      | -0.5  |
| Sambhar . . .      | +1.1     | +1.1      | -2.0   | -5.0   | -6.8 | -6.2  | -10.1 | -4.5    | -3.1       | -1.2     | -3.1      | -3.5      | -3.6  |
| Ajmere . . .       | -6.8     | -8.2      | -7.3   | -9.8   | -8.6 | -8.2  | -6.3  | -6.5    | -11.2      | -3.9     | -7.8      | -3.6      | -7.4  |
| Mount Abu . . .    | -3.8     | -2.4      | -3.2   | -4.0   | -3.7 | -4.0  | -5.6  | -9.5    | -4.5       | -3.0     | -5.3      | -4.9      | -4.5  |
| Pachpadra . . .    | -1.8     | -1.5      | -0.6   | -4.2   | -4.2 | -7.9  | -4.4  | -5.1    | -5.4       | -0.8     | -1.8      | -1.6      | -3.3  |
| Jacobabad . . .    | +0.4     | +3.2      | +3.4   | +0.7   | -2.2 | -0.2  | +0.6  | -0.9    | -0.4       | +1.0     | -5.8      | P         | P     |
| Hyderabad . . .    | P        | -5.5      | -6.0   | -5.8   | -6.4 | -2.6  | +4.4  | +0.8    | +2.4       | +2.1     | +2.6      | +1.8      | P     |
| Kurrachee . . .    | +4.1     | +3.7      | +1.6   | +0.7   | -2.2 | -1.0  | -3.4  | -1.0    | +0.7       | -0.7     | +1.1      | +2.0      | +0.5  |
| Bhuj . . .         | -3.1     | -2.8      | -1.9   | -1.7   | -2.3 | -1.7  | -2.4  | -4.2    | -3.3       | -2.9     | -3.2      | -2.9      | -2.7  |
| Rajkot . . .       | -1.0     | P         | P      | P      | -3.9 | 0     | +2.1  | +8.4    | +0.4       | -1.9     | -2.2      | -1.2      | P     |
| Deesa . . .        | -3.7     | +0.4      | +1.7   | +1.8   | +2.0 | +3.0  | +4.1  | -0.8    | +1.7       | +1.7     | +0.1      | +1.6      | +1.1  |
| Surat . . .        | +3.9     | +1.5      | +2.6   | +1.5   | +1.0 | P     | +0.4  | -1.0    | -0.2       | +1.9     | +1.7      | +1.4      | P     |
| Malegaon . . .     | -3.0     | -2.0      | -2.9   | -2.1   | -0.6 | +2.0  | -1.6  | +1.1    | +1.3       | +1.5     | -1.5      | -1.8      | -0.8  |
| Bombay . . .       | +0.4     | +0.9      | +0.5   | +0.5   | +2.0 | -0.2  | -0.2  | +3.9    | +1.5       | +1.0     | -0.5      | +1.0      | +0.9  |
| Poona . . .        | -2.6     | -0.2      | +1.2   | +1.7   | +3.5 | +4.3  | -1.0  | +0.3    | -0.1       | +0.8     | -2.2      | -0.9      | +0.4  |
| Sholapur . . .     | P        | P         | P      | P      | P    | P     | -6.8  | -6.4    | -1.9       | -3.4     | -1.7      | -4.8      | P     |
| Ratnagiri . . .    | +1.5     | -1.1      | +1.2   | +1.3   | +1.3 | -2.6  | -7.3  | +3.6    | +2.5       | -1.8     | +0.6      | -0.9      | -0.1  |
| Belgaum . . .      | -2.6     | -4.2      | -1.8   | -3.1   | -1.8 | -0.5  | -2.4  | -1.8    | -0.4       | -3.5     | -3.7      | -1.9      | -2.3  |
| Karwar . . .       | -3.2     | -3.1      | -2.3   | -3.5   | -5.0 | -3.8  | -10.6 | -6.4    | +0.6       | -5.2     | -3.8      | -3.3      | -4.1  |
| Secunderabad . . . | P        | P         | -3.2   | -2.9   | -2.8 | -1.8  | -1.9  | -2.5    | +2.4       | 0        | -0.1      | -0.8      | P     |
| Kurnool . . .      | P        | -4.1      | -2.2   | -2.1   | -2.9 | -3.4  | -3.3  | -5.7    | P          | P        | -4.2      | -5.4      | P     |
| Mangalore . . .    | -1.9     | -1.3      | -2.4   | -1.4   | -3.3 | -0.2  | -1.9  | +0.9    | -0.7       | -2.0     | -3.1      | +0.5      | -1.4  |
| Mercara . . .      | +1.5     | +1.9      | -0.9   | -1.4   | -0.8 | +2.5  | +0.4  | -1.5    | +3.7       | -0.7     | -1.2      | +1.1      | +0.4  |

TABLE III.—Comparison of Excess Sun (over Shade) Temperatures in 1886, with the averages of Table II—concluded.

| STATIONS.          | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Bangalore . . .    | —5·8     | —5·1      | —3·9   | —6·8   | —8·4 | —8·2  | —5·3  | —7·4    | —4·9       | —7·4     | —3·6      | —5·2      | —6·0  |
| Salem . . .        | —0·8     | —2·6      | —2·5   | —4·2   | —2·7 | —2·1  | —0·2  | —1·8    | —1·8       | —2·6     | —3·3      | —1·6      | —2·2  |
| Wellington . . .   | —1·1     | —2·5      | —1·1   | —3·1   | —4·8 | —0·6  | —1·5  | 0       | +3·2       | —0·8     | 0         | +2·2      | —0·8  |
| Coimbatore . . .   | +5·0     | +4·4      | +3·1   | +4·6   | +1·3 | +0·2  | —1·6  | —2·1    | —1·2       | +2·2     | +1·3      | +3·8      | +1·8  |
| Trichinopoly . . . | —4·8     | —4·3      | —2·4   | —3·2   | —4·0 | —2·1  | —1·1  | —6·1    | —2·9       | —1·6     | —3·0      | +0·8      | —2·9  |
| Cochin . . .       | —6·0     | —5·9      | —6·7   | —7·1   | —7·9 | —3·8  | —1·6  | —8·0    | —8·2       | —7·3     | —9·8      | —10·9     | —6·9  |
| Akyab . . .        | —2·2     | —2·4      | —3·9   | —4·6   | ?    | ?     | —4·5  | —8·9    | —2·5       | —3·6     | —2·7      | —0·6      | ?     |
| Thayetmyo . . .    | —6·7     | —5·8      | —4·1   | —6·7   | —2·0 | —3·8  | —4·0  | —3·1    | —3·8       | —5·9     | —5·3      | —4·9      | —4·7  |
| Toungoo . . .      | ?        | ?         | ?      | ?      | +0·7 | +1·4  | —0·8  | +0·1    | +1·8       | —2·5     | —3·3      | —2·0      | ?     |
| Bassein . . .      | +0·5     | —1·4      | +0·4   | —1·0   | +3·8 | —3·1  | +2·0  | +1·1    | +1·6       | —2·5     | —5·7      | —0·6      | —0·4  |
| Rangoon . . .      | +1·0     | —0·1      | —0·9   | —3·1   | —2·0 | +0·3  | —0·5  | —1·4    | —0·2       | —1·4     | —2·2      | —2·2      | —1·1  |
| Moulmein . . .     | +1·4     | +1·1      | 0      | —1·7   | +0·8 | +2·5  | +0·2  | +3·3    | +6·8       | +3·6     | +2·6      | +3·4      | +2·0  |
| Mergui . . .       | —1·6     | —0·7      | —0·4   | —0·8   | +0·2 | +2·2  | +0·7  | +0·5    | —0·8       | —0·3     | —2·0      | +1·5      | —0·5  |
| Port Blair . . .   | —1·9     | +0·5      | +1·8   | +4·3   | +6·6 | +3·3  | +7·5  | +4·4    | +3·7       | +1·2     | —7·1      | —1·9      | +1·9  |
| Nancowry . . .     | +5·2     | +4·6      | +4·2   | +4·5   | +2·5 | 0     | +3·9  | 0       | +0·8       | +0·3     | +2·0      | +2·4      | +2·5  |

The comparison table shews some local variations of interest depending apparently upon local atmospheric conditions. The following are the chief:—

1st—A deficiency in and near the North-West Himalayas as shewn by the Leh, Rawalpindi, Delhi, Chakrata and Roorkee solar thermometer observations. The deficiency for the year averaged from 2° to 3°.

2nd—A very considerable deficiency over a large portion of Central India and Rajputana, as represented by the stations of Sutna, Jeypore, Sambhar, Bickaneer, Ajmere, Mount Abu and Pachpadra. The deficiency varied from  $\frac{1}{2}$ ° to 7° in this area.

3rd—A considerable deficiency over the greater portion of Southern India to the south of latitude 16° N. This deficiency is shewn by Belgaum, Karwar, Mangalore, Bangalore, Salem, Cochin, and Wellington, and was greatest at Cochin, where it averaged 6·9° for the year.

4th—A slight excess at the Bay Islands and in Southern Burma.

5th—A deficiency at all the Behar and Bengal stations, excepting Calcutta, but not large in amount except at Purneah (4·5°), Dacca (3·6°), and Chittagong (2·2°).

Taking the sum of the figures in each monthly column of Table III with the exclusion of the first two stations and dividing by the number of stations furnishing averages for each month (varying from 79 to 90), the following variations for each month of 1886 are obtained:—

| January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. |
|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|
| —1·3     | —0·9      | —0·9   | —1·2   | —1·2 | —0·8  | —1·4  | —1·5    | —1·1       | —0·9     | —1·8      | —1·2      |

The results, it will be seen, are consistent, and may apparently be accepted as trustworthy. They shew that in every month of the year the mean equilibrium temperature of insolation throughout India was below the average of the past ten or eleven years by amounts varying from  $0.8^{\circ}$  to  $1.8^{\circ}$  and averaging  $1.2^{\circ}$  for the year. The deficiency, although large, accompanied very considerable irregularity, and the most carefully conducted observatories of Calcutta, Allahabad, and Bombay shew variations of opposite character. The variations at these stations are given in the following table :—

| Stations.   | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|-------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Calcutta .  | —0.8     | —1.0      | —1.5   | —1.7   | +0.4 | +2.0  | +2.9  | +2.8    | +1.2       | +2.0     | —1.2      | —1.2      | +0.3  |
| Allahabad . | 0        | —0.7      | 0      | +1.5   | +2.1 | +0.4  | +0.1  | —6.3    | +2.6       | +3.4     | +3.9      | +0.7      | +0.6  |
| Bombay .    | +0.4     | +0.9      | +0.5   | +0.5   | +2.0 | —0.2  | +0.2  | +3.9    | +1.5       | +1.0     | —0.5      | +1.0      | +0.9  |

The annual variations for the past seven years shew a fairly well-marked periodicity. The following are the annual mean anomalies for the period 1880 to 1886 :—

1880 +0.4° 1881 —0.3° 1882 —0.6° 1883 —1.0° 1884 —1.7° 1885 —1.1° 1886 —1.2°

The figures suggest a periodic change coinciding roughly with the sun-spot period, but it is impossible from the figures or from observations taken with this instrument to determine whether the variations are due (1st) to absolute changes in the solar radiation ; (2nd) to variations in the average amount of aqueous vapour, cloud, dust, &c., in the atmosphere which either absorbs or scatters the solar radiation in its passage through the atmospheres and hence slightly affect, the amount which reaches and acts at the earth's surface ; or (3rd) to slight differences in the amount of moisture contained in the adjacent ground, which influences and modifies the amount of radiation received by the bulb of the thermometer from the earth's surface, and therefore the resultant or equilibrium temperatures. I should be inclined to consider the causes as given above to be that of the order of their importance, and also to infer that the yearly anomalies do suggest a slight variation in the sun's radiating power.

## DURATION OF BRIGHT SUNSHINE.

The registration of the *duration of bright sunshine* is effected by means of the sunshine recorder, an instrument originally devised and first employed by Mr. Campbell of Islay, subsequently modified in such a manner as to furnish a trace capable of ready measurement, and finally improved to its present form by Professor G. Stokes and Mr. Whipple. It consists of a spherical glass lens, mounted on a brass support, which also carries a curved brass plate fixed beneath the sphere, of such curvature, and at such distance from the spherical surface, that the focal point, in which the sun's rays converge, travels across the surface of the plate between sunrise and sunset. A slip of card, with

printed divisions, corresponding to the hours, is inserted in grooves in the brass plate, and as the radiant focus moves along the card, it burns a line, which is either continuous or interrupted, according to the state of the sky; and the measurement of which is a record of the time during which the sun shone with sufficient intensity to burn the surface of the card.

The instrument has hitherto been employed only at Allahabad, Calcutta, Jeypore, Lahore, Dehra, and Bombay. It promises to be a most valuable adjunct to the sun-thermometer, and perhaps even more important than that instrument; since the duration of sunshine is a more direct measure of the amount of solar heat reaching the earth's surface than the register of its mean maximum intensity. The traces are measured to tenths of an hour, but in summing the daily totals for each month, residual decimals are omitted, and in Table II (Appendix) the totals are given to integral hours only.\*

The Table II Appendix gives the data of five recording stations for each month of 1886; and those of Bombay for four months only. In the first column the sums of the measured traces is given; in the second that of the total number of hours that the sun is above the horizon; and in the third, the ratio of the first to the second in the form of a percentage. Table IV (below) gives the averages of the registers at Calcutta, Jeypore, Dehra, and Allahabad; and Table V a comparison of the monthly totals of 1886 with the averages of Table IV.

TABLE IV.—Average monthly Total Duration of Bright Sunshine.

| STATIONS.              |                                                          | Year. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------------|----------------------------------------------------------|-------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Calcutta<br>(Alipore). | Average total hours of bright sunshine.                  | 4     | 276      | 264       | 287    | 291    | 293  | 145   | 129   | 113     | 146        | 253      | 253       | 257       | 2,707 |
|                        | Total hours of sun above horizon .                       | ...   | 337      | 318       | 371    | 379    | 408  | 403   | 413   | 398     | 367        | 359      | 331       | 333       | 4,417 |
|                        | Average percentage ratio of actual to possible sunshine. | ...   | 82       | 83        | 77     | 77     | 72   | 36    | 31    | 28      | 40         | 70       | 76        | 77        | 61    |
| Allahabad              | Average total hours of bright sunshine.                  | 4     | 267      | 275       | 302    | 313    | 324  | 222   | 160   | 147     | 230        | 268      | 296       | 252       | 3,056 |
|                        | Total hours of sun above horizon .                       | ...   | 329      | 312       | 368    | 379    | 410  | 407   | 416   | 400     | 366        | 354      | 324       | 324       | 4,389 |
|                        | Average percentage ratio of actual to possible sunshine. | ...   | 81       | 88        | 82     | 83     | 79   | 55    | 38    | 37      | 63         | 76       | 91        | 78        | 70    |
| Jeypore .              | Average total hours of bright sunshine.                  | 3     | ?        | 249       | 269    | 264    | 291  | 224   | 162   | 134     | 242        | 275      | 289       | 254       | ?     |
|                        | Total hours of sun above horizon .                       | ...   | 326      | 311       | 368    | 380    | 412  | 408   | 418   | 401     | 365        | 352      | 321       | 320       | 4,382 |
|                        | Average percentage ratio of actual to possible sunshine. | ...   | ?        | 80        | 73     | 69     | 71   | 55    | 39    | 33      | 66         | 78       | 90        | 79        | ?     |
| Dehra .                | Average total hours of bright sunshine.                  | 4-5   | 146      | 175       | 188    | 212    | 221  | 176   | 107   | 112     | 170        | 237      | 235       | 194       | 2,173 |
|                        | Total hours of sun above horizon .                       | ...   | 321      | 308       | 368    | 383    | 419  | 416   | 424   | 405     | 366        | 351      | 316       | 315       | 4,392 |
|                        | Average percentage ratio of actual to possible sunshine. | ...   | 45       | 57        | 51     | 55     | 53   | 42    | 25    | 28      | 46         | 68       | 74        | 62        | 49    |

TABLE V.—Comparison of monthly Total Duration of Bright Sunshine in 1886, with the averages of Table IV.

| STATIONS.                    | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Calcutta (Alipore) . . . . . | + 4      | +28       | -19    | +10    | 0    | -26   | 0     | 0       | -37        | -14      | -3        | +12       | -4    |
| Allahabad . . . . .          | +11      | +16       | -21    | +17    | +21  | +24   | -9    | -4      | -11        | -54      | -3        | +5        | -1    |
| Jeypore . . . . .            | ?        | +17       | -6     | +14    | +1   | -1    | -28   | +8      | +21        | +6       | +10       | +8        | ?     |
| Dehra . . . . .              | -15      | -16       | -45    | +3     | -25  | +4    | -21   | -13     | +17        | -11      | -5        | -13       | -12   |

As compared with the mean of the preceding years 1883 to 1886, the proportion of sunshine at Calcutta was above the average in January, February, April, and December. It was considerably in defect in March, June, September, and October. On the mean of the year, the sun shone brightly during 60 per cent. of the day hours in 1886 as compared with the average 61 per cent. for the past four years. At Allahabad the proportion of sunshine was above the average in January, February, April, May, and June, and was considerably below it in March, and also in October, which was an unusually cloudy month in Behar and the eastern districts of the North-Western Provinces. The average proportion of sunshine in October 1886 was only 60 as compared with the normal, 76 per cent. On the mean of the year the percentage of sunshine was 69, or 1 per cent. below the average of the previous four years. At Dehra the proportion of sunshine was slightly above the normal average in April, June, and September, and was below it in all other months. On the mean of the year the percentage of the sunshine was 46, or 3 per cent. below the average of the previous years.

The records for Jeypore are not quite complete. The amount of sunshine was above the average in the months of February, April, August, September, October, November, and December and below it in March and July. The average of the 11 months, February to December, was 68 as compared with the normal, 67.

In order to ascertain in what measure the total duration of sunshine varies with the average of its maximum daily intensity, the monthly means of the excess sun thermometer readings for the same four years are given, and also the differences of 1886 at Calcutta, Jeypore, and Allahabad, in the following Table (VI).

TABLE VI.—Average Excess of Insolation Temperatures and their differences of 1886.

| STATIONS. |                  | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|-----------|------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Calcutta  | Average 1883-86. | 52.7     | 56.0      | 56.2   | 55.6   | 58.8 | 56.5  | 57.6  | 57.6    | 57.2       | 57.6     | 53.2      | 51.5      | 55.9  |
|           | Difference       | +0.6     | -0.6      | -1.3   | -0.5   | -0.1 | +0.1  | +2.1  | +0.7    | +0.6       | +1.5     | +0.6      | +0.6      | +0.4  |
| Allahabad | Average 1883-86. | 54.3     | 61.3      | 61.8   | 57.2   | 56.8 | 57.9  | 58.6  | 59.3    | 60.2       | 57.8     | 57.2      | 55.5      | 58.2  |
|           | Difference       | +1.9     | +0.6      | +0.6   | +1.9   | +2.5 | +1.2  | +2.6  | -2.5    | +3.1       | +3.7     | +2.8      | +2.2      | +1.7  |
| Jeypore   | Average 1884-86. | ?        | 58.7      | 60.3   | 60.4   | 59.8 | 58.9  | 59.8  | 57.9    | 57.1       | 55.7     | 52.1      | 51.9      | ?     |
|           | Difference       | ?        | -1.4      | -1.1   | -1.2   | -2.9 | -2.0  | +0.4  | +3.4    | -0.8       | +0.9     | -0.3      | +3.5      | ?     |



## NOCTURNAL RADIATION.

The tables of nocturnal radiation comprise the registers of 108 stations. Of these, however, not less than 22 are imperfect, owing, in the majority of cases, to the destruction of the instruments, either in this or the preceding year, and to the stock being insufficient to replace them without loss of time. The province the registers of which are most defective is Madras, where four stations send defective or untrustworthy registers. Those with the most complete registers are the Central Provinces and Bengal—each with only two defective registers.

Table III (Appendix) shews the mean temperature registered by the exposed minimum thermometer (corrected for instrument errors), and the highest and lowest temperatures in each month, together with the dates on which they occurred, and also the depression of the first below the mean temperature of the minimum shaded thermometer, about 4 feet from the ground, and the greatest and least depression. At most stations in Northern India, the thermometers, which are spirit thermometers generally with spherical bulbs, about half an inch in diameter, but in some cases with cylindrical bulbs  $\frac{1}{4}$  inch diameter, are laid on a thick pad of common country blanket. Thus a tolerably uniform radiating surface is secured, which would not be the case were the usual practice followed, *viz.*, that of placing the instrument on grass, or the bare ground.

The present method has been followed only during the last nine or ten years, and it has not been deemed desirable to include in the computation of average values the results obtained under the previous varied conditions of exposure. Table VII, which follows, gives, therefore, the averages of past years only in so far as the radiation temperatures are those registered under uniform conditions. Table VIII gives the differences of the mean monthly depression for each station in 1886 and the corresponding averages of Table VII.

TABLE VII.—*Average Depression of monthly Mean Nocturnal Radiation Temperatures below Mean Minimum Shade Temperatures.*

| STATIONS,          | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Aden . . .         | 4—7    | 3'2      | 2'6       | 2'9    | 3'6    | 3'7  | 4'5   | 2'6   | 2'7     | 3'9        | 4'0      | 4'6       | 3'8       | 3'5   |
| Quetta . . .       | 4—6    | 10'4     | 9'2       | 10'2   | 13'2   | 15'6 | 15'2  | 12'6  | 12'9    | 15'5       | 16'3     | 15'0      | 13'2      | 13'3  |
| Leh . . .          | 7—8    | 10'2     | 9'2       | 10'2   | 10'3   | 9'6  | 9'7   | 9'6   | 9'3     | 10'2       | 12'4     | 13'0      | 11'8      | 10'5  |
| Mooltan . . .      | 8—9    | 8'0      | 8'4       | 9'2    | 11'5   | 11'7 | 10'5  | 8'7   | 7'4     | 7'9        | 9'4      | 8'7       | 9'0       | 9'2   |
| Dera Ismail Khan . | 5—9    | 9'4      | 9'9       | 8'8    | 9'3    | 11'2 | 7'4   | 6'0   | 6'0     | 8'0        | 9'5      | 9'5       | 9'8       | 8'7   |
| Peshawar . . .     | 9—10   | 8'9      | 8'5       | 7'9    | 7'9    | 9'5  | 8'8   | 5'8   | 5'3     | 7'1        | 9'9      | 10'8      | 9'8       | 8'4   |
| Murree . . .       | 7—10   | 11'6     | 10'2      | 10'2   | 9'7    | 10'4 | 9'7   | 6'0   | 5'7     | 11'2       | 15'0     | 16'1      | 13'7      | 10'8  |
| Rawalpindi . . .   | 5—10   | 5'2      | 5'8       | 5'9    | 7'2    | 8'5  | 7'1   | 5'3   | 4'1     | 5'4        | 7'3      | 6'9       | 7'1       | 6'3   |
| Sialkot . . .      | 6—8    | 6'9      | 6'4       | 6'7    | 7'8    | 7'6  | 6'6   | 3'4   | 3'2     | 4'5        | 7'2      | 7'6       | 6'7       | 6'2   |
| Lahore . . .       | 9—10   | 8'3      | 7'7       | 7'8    | 7'5    | 7'6  | 5'7   | 3'6   | 3'8     | 5'3        | 8'6      | 9'1       | 8'3       | 6'9   |

TABLE VII.—Average Depression of monthly Mean Nocturnal Radiation Temperatures below Mean Minimum Shade Temperatures—continued.

| STATIONS.                | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Ludhiana . . .           | 7-10   | 10°0     | 9°3       | 8°9    | 8°2    | 7°7  | 7°0   | 4°0   | 3°9     | 5°9        | 10°3     | 11°3      | 10°5      | 8°1   |
| Delhi . . .              | 7-9    | 8°8      | 10°2      | 10°0   | 11°3   | 9°3  | 5°9   | 3°8   | 4°3     | 5°5        | 10°1     | 11°0      | 9°7       | 8°3   |
| Sirsa . . .              | 8-9    | 10°1     | 10°5      | 9°3    | 8°6    | 6°0  | 5°3   | 4°0   | 4°1     | 7°1        | 11°1     | 11°6      | 11°4      | 8°3   |
| Chakrata . . .           | 8-10   | 9°7      | 8°3       | 8°1    | 8°7    | 8°4  | 5°5   | 2°9   | 3°7     | 6°4        | 12°1     | 12°4      | 12°7      | 8°2   |
| Roorkee . . .            | 9-10   | 7°2      | 7°3       | 7°4    | 8°5    | 6°6  | 3°8   | 2°1   | 2°5     | 4°1        | 6°9      | 8°2       | 7°6       | 6°0   |
| Ranikhet . . .           | 9-10   | 13°0     | 12°6      | 12°2   | 13°8   | 11°6 | 7°4   | 4°0   | 4°5     | 7°4        | 14°1     | 16°4      | 16°4      | 11°1  |
| Meerut . . .             | 7-10   | 4°5      | 4°8       | 5°5    | 6°4    | 4°9  | 4°5   | 4°0   | 4°2     | 4°6        | 5°7      | 6°0       | 5°3       | 5°0   |
| Bareilly . . .           | 7-10   | 8°2      | 8°4       | 9°5    | 11°7   | 10°3 | 7°4   | 3°5   | 3°5     | 4°7        | 8°6      | 10°9      | 9°4       | 8°0   |
| Agra . . .               | 7-10   | 10°2     | 10°8      | 10°7   | 11°0   | 8°6  | 6°6   | 3°9   | 3°5     | 5°2        | 9°0      | 10°7      | 10°1      | 8°4   |
| Lucknow . . .            | 9-10   | 9°4      | 9°2       | 8°7    | 9°1    | 6°6  | 4°4   | 2°7   | 2°8     | 3°9        | 7°8      | 10°3      | 10°2      | 7°1   |
| Gorakhpur . . .          | 7-9    | 9°4      | 8°9       | 9°2    | 9°8    | 7°4  | 4°6   | 4°4   | 3°8     | 4°7        | 7°9      | 9°5       | 9°0       | 7°4   |
| Jhansi . . .             | 8-10   | 4°4      | 5°7       | 7°1    | 9°0    | 8°4  | 5°3   | 2°4   | 2°1     | 2°8        | 4°4      | 5°7       | 4°8       | 5°2   |
| Allahabad . . .          | 10     | 10°6     | 11°0      | 11°3   | 10°8   | 7°9  | 5°0   | 2°6   | 2°7     | 4°1        | 8°0      | 10°9      | 11°0      | 8°0   |
| Benares . . .            | 9-10   | 10°0     | 10°2      | 9°9    | 10°1   | 7°6  | 4°9   | 2°8   | 2°8     | 3°9        | 7°2      | 10°3      | 10°5      | 7°5   |
| Ghazipur . . .           | 3-5    | 8°1      | 8°9       | 9°5    | 9°8    | 6°3  | 3°2   | 2°4   | 1°9     | 3°4        | 6°1      | 9°0       | 8°4       | 6°4   |
| Sibsagar . . .           | 7-10   | 5°0      | 5°2       | 5°1    | 4°8    | 4°8  | 4°8   | 3°8   | 3°5     | 3°3        | 4°0      | 5°3       | 5°4       | 4°6   |
| Dhubri . . .             | 4-6    | 6°8      | 7°5       | 6°5    | 4°6    | 3°1  | 2°1   | 2°5   | 2°5     | 2°8        | 5°4      | 6°9       | 6°9       | 4°8   |
| Silchar . . .            | 3-6    | 8°7      | 7°8       | 5°7    | 3°9    | 3°2  | 2°3   | 2°0   | 2°4     | 3°2        | 4°5      | 7°9       | 8°5       | 5°0   |
| Darjeeling . . .         | 3-5    | 11°5     | ?         | 10°4   | ?      | 7°2  | 2°6   | 1°7   | 2°1     | 3°7        | 7°8      | 12°7      | 12°8      | ?     |
| Purneah . . .            | 5-8    | 7°2      | 6°5       | 6°7    | 6°1    | 3°5  | 2°7   | 3°0   | 2°6     | 3°1        | 5°4      | 7°6       | 6°8       | 5°1   |
| Durbhunga . . .          | 4-7    | 8°9      | 8°8       | 11°8   | 10°9   | 6°1  | 5°0   | 4°6   | 5°3     | 6°8        | 8°1      | 9°7       | 10°2      | 8°0   |
| Patna . . .              | 9-10   | 4°0      | 4°0       | 5°5    | 5°8    | 3°5  | 3°1   | 2°5   | 2°2     | 2°6        | 4°0      | 4°9       | 4°7       | 3°9   |
| Gya . . .                | 3-5    | 9°5      | 9°5       | 8°8    | 6°2    | 6°4  | 6°0   | 4°9   | 4°5     | 4°8        | 6°3      | 8°6       | 9°5       | 7°1   |
| Hazaribagh . . .         | 8-10   | 10°0     | 9°2       | 8°5    | 8°0    | 5°2  | 2°7   | 1°3   | 1°6     | 2°3        | 6°8      | 10°0      | 9°8       | 6°3   |
| Berhampore . . .         | 4-5    | 13°6     | 14°1      | 12°2   | 10°7   | 5°5  | 3°7   | 3°3   | 3°2     | 4°2        | 6°9      | 10°3      | 11°5      | 8°3   |
| Burdwan . . .            | 8-10   | 11°7     | 10°5      | 9°5    | 7°7    | 5°3  | 4°3   | 4°2   | 3°9     | 4°5        | 7°3      | 10°3      | 11°7      | 7°6   |
| Jessore . . .            | 6-10   | 10°5     | 9°8       | 8°8    | 6°9    | 4°7  | 3°5   | 2°5   | 2°5     | 3°2        | 5°9      | 8°6       | 10°2      | 6°4   |
| Dacca . . .              | 9-10   | 11°0     | 10°9      | 8°2    | 5°5    | 4°0  | 2°2   | 2°1   | 2°2     | 3°2        | 6°3      | 9°7       | 10°6      | 6°3   |
| Chittagong . . .         | 5-7    | 6°9      | 6°9       | 5°1    | 4°3    | 3°3  | 2°1   | 1°9   | 2°1     | 2°2        | 3°1      | 5°0       | 6°1       | 4°1   |
| Calcutta (Alipore) . . . | 9-10   | 9°5      | 9°0       | 7°5    | 5°7    | 4°0  | 2°6   | 2°2   | 2°4     | 3°3        | 5°8      | 8°8       | 10°0      | 5°9   |
| Saugor Island . . .      | 6-8    | 9°2      | 8°8       | 6°9    | 5°3    | 4°4  | 3°4   | 3°0   | 2°8     | 3°4        | 5°1      | 7°1       | 8°6       | 5°7   |
| Cuttack . . .            | 9-10   | 10°7     | 9°7       | 8°5    | 7°1    | 5°8  | 4°6   | 3°7   | 3°7     | 4°3        | 6°2      | 8°4       | 9°5       | 6°9   |
| False Point . . .        | 3-5    | 7°9      | ?         | 5°1    | 4°8    | 3°5  | 1°9   | 1°9   | 2°3     | 2°4        | 3°4      | 4°4       | 4°9       | ?     |
| Raipur . . .             | 6-10   | 8°8      | 7°9       | 7°8    | 7°1    | 5°0  | 4°4   | 3°5   | 4°0     | 5°8        | 5°6      | 8°4       | 8°6       | 6°4   |

TABLE VII.—Average Depression of monthly Mean Nocturnal Radiation Temperatures below Mean Minimum Shade Temperatures—continued.

| STATIONS.         | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|-------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Nagpur . . .      | 7—10   | 13·1     | 12·9      | 12·4   | 12·2   | 10·4 | 4·4   | 2·7   | 4·0     | 4·6        | 8·5      | 12·0      | 14·2      | 9·3   |
| Seoni . . .       | 9—10   | 10·5     | 10·2      | 10·9   | 10·5   | 8·5  | 4·4   | 2·5   | 2·8     | 4·2        | 7·4      | 9·8       | 10·4      | 7·7   |
| Jubbulpore . . .  | 9—10   | 8·3      | 8·1       | 9·3    | 10·0   | 8·6  | 3·7   | 2·0   | 2·2     | 3·3        | 5·5      | 8·7       | 8·1       | 6·5   |
| Saugor . . .      | 8—10   | 11·1     | 11·8      | 12·4   | 10·9   | 9·6  | 5·9   | 2·9   | 2·8     | 4·4        | 8·2      | 12·8      | 11·9      | 8·7   |
| Pachmarhi . . .   | 6—9    | 12·5     | 13·2      | 13·0   | 13·1   | 9·3  | 3·7   | 1·8   | 2·6     | 5·5        | 9·3      | 12·6      | 12·8      | 9·1   |
| Hoshangabad . . . | 9—10   | 8·3      | 9·2       | 10·3   | 9·9    | 8·5  | 4·3   | 2·3   | 2·2     | 3·3        | 6·7      | 9·6       | 9·3       | 7·0   |
| Khandwa . . .     | 7—10   | 7·5      | 8·4       | 8·6    | 8·6    | 6·6  | 3·0   | 2·3   | 2·6     | 3·1        | 5·7      | 8·1       | 7·2       | 6·0   |
| Chanda . . .      | 8—10   | 9·2      | 9·2       | 9·4    | 10·1   | 8·5  | 3·7   | 2·5   | 2·9     | 3·4        | 5·3      | 7·2       | 8·4       | 6·7   |
| Sironcha . . .    | 7—8    | 10·0     | 9·8       | 10·1   | 9·4    | 7·2  | 4·2   | 3·1   | 3·3     | 4·0        | 6·1      | 7·7       | 10·0      | 7·1   |
| Chikalda . . .    | 6—9    | 15·6     | 14·2      | 11·5   | 10·7   | 8·1  | 3·1   | 1·5   | 1·4     | 3·1        | 9·7      | 15·2      | 17·7      | 9·3   |
| Buldana . . .     | 9—10   | 14·2     | 14·4      | 13·0   | 10·5   | 6·4  | 3·3   | 2·9   | 3·1     | 3·4        | 10·1     | 13·8      | 14·7      | 9·2   |
| Akola . . .       | 9—10   | 10·0     | 10·5      | 10·8   | 10·8   | 7·3  | 2·8   | 2·5   | 2·9     | 3·6        | 6·8      | 8·8       | 9·5       | 7·2   |
| Amraoti . . .     | 7—9    | 10·1     | 10·6      | 11·0   | 11·4   | 9·4  | 3·7   | 2·6   | 3·3     | 4·3        | 7·8      | 10·2      | 9·6       | 7·8   |
| Neemuch . . .     | 5—9    | 12·2     | 12·4      | 12·7   | 12·7   | 9·3  | 5·6   | 4·6   | 4·5     | 5·3        | 10·5     | 13·7      | 13·3      | 9·7   |
| Nowgong . . .     | 4—8    | 10·7     | 11·7      | 11·3   | 13·4   | 10·8 | 6·6   | 3·1   | 4·1     | 5·3        | 8·6      | 11·1      | 10·3      | 8·9   |
| Sutna . . .       | 8—10   | 6·1      | 6·6       | 6·2    | 6·3    | 4·4  | 3·1   | 1·6   | 1·7     | 2·6        | 4·9      | 6·8       | 6·6       | 4·7   |
| Indore . . .      | 7—8    | 14·4     | 13·7      | 13·3   | 13·0   | 8·8  | 3·7   | 2·5   | 3·3     | 5·4        | 9·2      | 13·3      | 13·0      | 9·5   |
| Bickaneer . . .   | 6—8    | 12·4     | 12·4      | 10·9   | 10·1   | 8·0  | 4·5   | 3·5   | 4·4     | 5·6        | 10·8     | 12·6      | 12·8      | 9·0   |
| Jeypore . . .     | 5—6    | 9·9      | 10·5      | 9·9    | 10·1   | 7·2  | 4·6   | 2·5   | 3·0     | 5·0        | 8·9      | 10·9      | 10·5      | 7·5   |
| Sambhar . . .     | 6—7    | 8·7      | 9·9       | 9·3    | 9·8    | 6·8  | 4·2   | 4·6   | 4·4     | 5·9        | 9·5      | 11·2      | 10·1      | 7·9   |
| Ajmere . . .      | 5—6    | 8·1      | 8·2       | 8·3    | 7·7    | 5·7  | 2·6   | 2·0   | 3·0     | 4·6        | 6·8      | 8·0       | 8·6       | 6·1   |
| Mount Abu . . .   | 6—10   | 17·5     | 14·4      | 15·0   | 12·9   | 8·6  | 4·0   | 2·3   | 2·3     | 6·1        | 14·2     | 19·2      | 18·3      | 11·2  |
| Pachpadra . . .   | 4—6    | 7·2      | 7·4       | 7·5    | 7·7    | 6·0  | 5·1   | 1     | 3·3     | 4·9        | 8·3      | 7·0       | 8·2       | 1     |
| Jacobabad . . .   | 6—9    | 10·3     | 11·7      | 9·5    | 10·1   | 9·5  | 6·2   | 4·6   | 4·5     | 5·9        | 9·4      | 10·1      | 10·4      | 8·5   |
| Hyderabad . . .   | 4—8    | 8·0      | 8·8       | 8·0    | 6·6    | 5·7  | 3·2   | 3·2   | 1·9     | 2·8        | 6·2      | 9·1       | 10·5      | 6·2   |
| Kurrachee . . .   | 9—10   | 8·8      | 9·8       | 9·5    | 8·2    | 5·8  | 3·6   | 2·4   | 2·5     | 3·7        | 7·9      | 9·1       | 8·6       | 6·7   |
| Bhuj . . .        | 5—9    | 13·3     | 12·9      | 11·9   | 10·3   | 5·4  | 3·5   | 2·8   | 3·7     | 5·9        | 9·7      | 13·8      | 13·6      | 8·9   |
| Rajkot . . .      | 6—9    | 11·2     | 10·7      | 10·2   | 8·8    | 5·6  | 3·6   | 2·3   | 2·5     | 3·6        | 8·6      | 12·2      | 11·9      | 7·6   |
| Deesa . . .       | 6—9    | 9·1      | 9·8       | 10·0   | 10·2   | 7·4  | 3·5   | 2·2   | 2·9     | 4·5        | 8·0      | 9·4       | 8·9       | 7·2   |
| Surat . . .       | 4—6    | 11·7     | 11·6      | 9·5    | 8·4    | 6·8  | 3·5   | 2·9   | 3·9     | 4·6        | 7·1      | 10·2      | 12·2      | 7·7   |
| Malegaon . . .    | 8—10   | 8·7      | 8·8       | 9·1    | 9·0    | 6·3  | 2·9   | 2·4   | 3·0     | 3·2        | 5·5      | 7·5       | 8·1       | 6·2   |
| Bombay . . .      | 12     | 9·8      | 9·0       | 7·8    | 6·4    | 4·7  | 2·9   | 2·3   | 2·6     | 3·1        | 6·1      | 9·4       | 10·7      | 6·2   |
| Poona . . .       | 6—9    | 12·8     | 13·2      | 13·2   | 12·3   | 9·5  | 5·1   | 4·1   | 4·7     | 5·0        | 7·8      | 11·2      | 10·5      | 9·1   |
| Sholapur . . .    | 6—8    | 8·3      | 8·3       | 8·5    | 6·7    | 5·3  | 2·8   | 2·8   | 3·1     | 3·1        | 5·7      | 8·5       | 11·0      | 6·2   |

TABLE VII.—Average Depression of monthly Mean Nocturnal Radiation Temperatures below Mean Minimum Shade Temperatures—concluded.

| STATIONS.          | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Ratnagiri . . .    | 9—10   | 9'4      | 8'9       | 7'5    | 6'4    | 5'4  | 3'2   | 2'5   | 2'6     | 3'1        | 4'7      | 8'4       | 9'6       | 6'0   |
| Belgaum . . .      | 7—10   | 12'7     | 12'2      | 11'0   | 8'4    | 5'9  | 2'9   | 2'1   | 2'4     | 3'3        | 5'5      | 9'8       | 11'0      | 7'3   |
| Karwar . . .       | 5—7    | 5'6      | 4'6       | 3'9    | 4'4    | 4'3  | 3'5   | 2'9   | 3'4     | 3'7        | 4'0      | 5'8       | 6'3       | 4'4   |
| Masulipatam . . .  | 3—5    | 3'6      | 4'6       | 4'3    | 3'5    | 1'9  | 1'3   | 1'8   | 1'8     | 2'8        | 2'8      | 3'4       | 3'4       | 2'9   |
| Mangalore . . .    | 5—7    | 7'4      | 7'0       | 5'5    | 3'6    | 3'4  | 2'3   | 2'0   | 2'0     | 2'9        | 4'1      | 4'4       | 6'4       | 4'3   |
| Mercara . . .      | 5—6    | 10'8     | 12'0      | 10'4   | 8'4    | 5'3  | 2'4   | 1'6   | 2'2     | 3'4        | 5'6      | 7'4       | 9'2       | 6'6   |
| Trichinopoly . . . | 4—5    | 2'7      | 2'6       | 2'6    | 2'4    | 1'7  | 1'8   | 1'5   | 1'4     | 1'5        | 1'5      | 1'8       | 2'4       | 2'0   |
| Negapatam . . .    | 3—5    | 3'3      | 4'4       | 4'8    | 4'7    | 4'0  | 4'0   | 4'3   | 3'7     | 3'7        | 3'0      | 2'9       | 2'9       | 3'8   |
| Cochin . . .       | 3      | P        | P         | P      | 3'0    | P    | 1'7   | 1'9   | 2'1     | 2'5        | 2'7      | 3'1       | 3'7       | P     |
| Akyab . . .        | 7—9    | 8'0      | 8'5       | 7'8    | 6'5    | 3'8  | 2'4   | 1'6   | 1'7     | 2'7        | 3'8      | 5'4       | 6'7       | 4'9   |
| Thayetmyo . . .    | 7—10   | 6'6      | 6'5       | 6'4    | 5'2    | 3'9  | 1'8   | 2'7   | 1'8     | 2'0        | 2'4      | 3'7       | 5'0       | 4'0   |
| Toungoo . . .      | 4—8    | 6'2      | 6'6       | 6'4    | 6'1    | 4'0  | 3'7   | 3'0   | 2'7     | 3'0        | 3'7      | 4'4       | 5'6       | 4'6   |
| Bassein . . .      | 5—8    | 7'3      | 7'7       | 7'0    | 5'4    | 4'5  | 2'4   | 2'2   | 2'2     | 2'6        | 3'6      | 4'4       | 6'2       | 4'6   |
| Rangoon . . .      | 6—9    | 8'2      | 7'7       | 6'1    | 5'0    | 4'2  | 2'5   | 2'6   | 2'6     | 3'8        | 4'3      | 5'7       | 6'9       | 5'0   |
| Moulmein . . .     | 5—8    | 6'9      | 6'2       | 5'9    | 5'1    | 4'6  | 3'7   | 2'5   | 1'8     | 1'5        | 3'2      | 4'7       | 6'3       | 4'4   |
| Mergui . . .       | 9—10   | 5'8      | 4'6       | 4'0    | 4'0    | 3'4  | 3'0   | 3'0   | 3'1     | 3'2        | 3'5      | 4'3       | 5'1       | 3'9   |
| Port Blair . . .   | 9—10   | 5'5      | 6'4       | 6'3    | 5'7    | 4'9  | 3'4   | 3'4   | 3'5     | 3'3        | 4'1      | 4'1       | 4'8       | 4'6   |
| Nancowry . . .     | 8—10   | 5'3      | 5'8       | 5'7    | 5'0    | 4'8  | 3'9   | 4'0   | 4'1     | 4'1        | 4'6      | 4'8       | 4'7       | 4'7   |

TABLE VIII.—Comparison of Mean Monthly Depression of Nocturnal Radiation Temperatures in 1886, with the averages of Table VII.

| STATIONS.              | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Aden . . . . .         | —1'4     | —1'1      | —1'2   | P      | P    | P     | —0'6  | —0'9    | —1'7       | —1'3     | —2'0      | —0'9      | P     |
| Quetta . . . . .       | +0'9     | +1'0      | +0'7   | +1'4   | —0'4 | +0'4  | —0'6  | +0'1    | —1'2       | —1'6     | —0'9      | +0'7      | 0     |
| Leh . . . . .          | +0'8     | +0'8      | +2'0   | +0'5   | +2'7 | +1'5  | +4'0  | +5'4    | +7'0       | +6'6     | +3'5      | +1'3      | +3'0  |
| Mooltan . . . . .      | —1'6     | —0'8      | —1'0   | —1'9   | —3'2 | —1'6  | —0'3  | +0'2    | +1'6       | +4'0     | +3'8      | +3'9      | +0'3  |
| Dera Ismail Khan . . . | P        | P         | P      | —3'1   | —3'9 | —3'4  | —3'5  | —3'1    | —3'7       | —3'5     | —4'3      | —3'8      | P     |
| Peshawar . . . . .     | —0'4     | 0         | +0'5   | +0'3   | +1'7 | +1'7  | —0'8  | —0'2    | +1'3       | +0'9     | +0'8      | +0'3      | +0'5  |
| Murree . . . . .       | —1'0     | —2'3      | —4'0   | —1'2   | —2'1 | —1'8  | —4'0  | —2'9    | —3'4       | P        | +1'2      | +2'7      | P     |
| Rawalpin . . . . .     | +2'4     | +2'6      | +1'6   | +2'2   | +2'2 | 0     | P     | —0'4    | +1'3       | +2'6     | +3'8      | +2'9      | P     |
| Sialkot . . . . .      | —0'7     | —0'6      | —0'1   | +0'1   | —1'5 | —1'3  | —1'1  | —0'6    | —1'0       | —1'4     | —0'7      | —0'2      | —0'8  |

TABLE VIII.—*Comparison of Mean Monthly Depression of Nocturnal Radiation Temperatures in 1886, with the averages of Table VII—continued.*

| STATIONS.                    | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Lahore . . . . .             | —1·6     | 0         | —2·2   | —0·1   | —0·9 | —0·5  | —1·3  | —0·8    | —0·1       | —1·4     | 0         | +1·2      | —0·6  |
| Ludhiana . . . . .           | —3·9     | —2·3      | —2·3   | —0·1   | —0·7 | —1·2  | —2·1  | —1·6    | —1·4       | —5·6     | —2·3      | —1·6      | —2·1  |
| Delhi . . . . .              | —0·8     | —0·6      | —0·3   | +5·3   | —1·5 | —0·4  | —0·8  | —0·9    | +1·0       | +0·3     | +0·5      | —1·2      | +0·1  |
| Sirsa . . . . .              | +2·2     | +1·3      | +1·4   | +1·8   | p    | p     | —1·1  | —0·3    | +0·1       | —0·6     | +1·6      | +1·9      | p     |
| Chakrata . . . . .           | —2·3     | —1·8      | —3·4   | +1·9   | +6·3 | +1·5  | —0·1  | —0·3    | +2·3       | —2·0     | +0·1      | —2·4      | 0     |
| Roorkee . . . . .            | —0·1     | +1·0      | +0·9   | +1·2   | +1·4 | +1·3  | +1·0  | +1·7    | +2·2       | +0·1     | +0·3      | +0·7      | +1·0  |
| Ranikhet . . . . .           | —1·8     | —0·4      | —2·7   | +1·1   | —3·3 | —0·8  | —2·1  | —2·4    | —1·0       | —0·8     | +0·7      | +2·8      | —0·9  |
| Meerut . . . . .             | +0·6     | +1·6      | +2·2   | +2·2   | p    | +1·2  | +0·1  | —0·6    | +0·9       | +1·0     | +2·9      | +3·5      | p     |
| Bareilly . . . . .           | —2·2     | —1·8      | —0·9   | —2·1   | —3·4 | —1·1  | —0·2  | +0·9    | —0·2       | —1·5     | —0·4      | +1·6      | —0·9  |
| Agra . . . . .               | —4·2     | —4·0      | —4·8   | —2·2   | —3·2 | —1·1  | —0·5  | —0·6    | +0·5       | —1·0     | —0·1      | —1·1      | —1·9  |
| Lucknow . . . . .            | —2·2     | —2·4      | —1·7   | —1·2   | —1·9 | —1·8  | —0·9  | —0·3    | —0·6       | —3·1     | —2·0      | —2·7      | —1·7  |
| Gorakhpur . . . . .          | +1·1     | +1·1      | —0·8   | +1·1   | —0·9 | —0·3  | —2·7  | —2·0    | —3·0       | —3·9     | —3·5      | —5·3      | —1·6  |
| Jhansi . . . . .             | —1·0     | —0·6      | —0·5   | +4·8   | +4·5 | +2·6  | —0·1  | —1·0    | +2·4       | 0        | +2·4      | +5·3      | +1·6  |
| Allahabad . . . . .          | —0·3     | +0·6      | —0·8   | +1·5   | —0·5 | +0·6  | —0·1  | +0·1    | +0·4       | —2·3     | +0·9      | +0·9      | +0·1  |
| Benares . . . . .            | —0·8     | +0·4      | —0·6   | 0·6    | —1·4 | —0·3  | —0·5  | —0·3    | —0·5       | —3·0     | —2·1      | —1·9      | —0·9  |
| Ghazipur . . . . .           | +3·1     | +3·0      | p      | +1·1   | —0·7 | +1·2  | —0·1  | +0·5    | +0·1       | —0·3     | +0·9      | +1·0      | p     |
| Sibsagar . . . . .           | +1·1     | +1·2      | +0·8   | +0·9   | +1·0 | +0·6  | +0·1  | +1·1    | +1·0       | +1·0     | +0·2      | +0·4      | +0·8  |
| Dhubri . . . . .             | +2·6     | +2·4      | +1·8   | +1·8   | +0·2 | +0·4  | +0·6  | +0·6    | +0·8       | +0·9     | +0·1      | +0·6      | +1·1  |
| Darjeeling . . . . .         | —3·2     | p         | —0·1   | p      | 0    | +1·0  | —0·6  | +0·1    | —0·5       | +0·4     | —1·8      | —1·9      | p     |
| Purneah . . . . .            | p        | p         | p      | p      | p    | p     | +0·6  | —0·2    | —1·2       | —1·3     | —0·5      | +0·7      | p     |
| Patna . . . . .              | —0·7     | +1·1      | +2·1   | +3·7   | +0·1 | +0·4  | +0·9  | +0·6    | —0·1       | +2·0     | +5·9      | +4·5      | +1·7  |
| Hazaribagh . . . . .         | +0·7     | +0·8      | 0      | +2·1   | +0·3 | +1·0  | +1·0  | +0·8    | +0·5       | —2·0     | +0·1      | +0·4      | +0·5  |
| Berhampore . . . . .         | —1·6     | —0·7      | —1·2   | —1·3   | —0·7 | —0·1  | —0·7  | —0·4    | —1·2       | —3·3     | —3·4      | —4·5      | —1·6  |
| Burdwan . . . . .            | —1·5     | +0·4      | —2·0   | +0·3   | +0·3 | +0·2  | —0·1  | 0       | —1·3       | —1·3     | —1·7      | —2·0      | —0·7  |
| Jessore . . . . .            | —0·3     | +2·2      | —0·5   | —0·2   | +0·4 | —0·1  | +0·1  | —0·3    | —0·1       | —1·1     | —0·7      | +0·1      | 0     |
| Dacca . . . . .              | +1·0     | +0·4      | —1·3   | —0·9   | 0    | —0·4  | —0·8  | —1·0    | —1·0       | —1·8     | —0·5      | +0·6      | —2·5  |
| Chittagong . . . . .         | +0·2     | +1·1      | +0·8   | 0      | —0·2 | +0·5  | —0·2  | —0·3    | +0·4       | 0        | —0·4      | +1·1      | +0·3  |
| Calcutta (Alipore) . . . . . | —0·1     | +1·4      | —0·9   | +0·8   | +0·5 | 0     | —0·4  | —0·4    | —0·5       | —1·3     | —0·7      | —0·7      | —0·2  |
| Saugor Island . . . . .      | +1·7     | +2·8      | +0·8   | +1·1   | +1·3 | +0·6  | +0·4  | +0·7    | —0·1       | —0·4     | +0·4      | +1·4      | +0·9  |
| Cuttack . . . . .            | —2·0     | —2·3      | —1·5   | —1·4   | —0·4 | +0·4  | —0·3  | —0·9    | —1·5       | —3·1     | —2·9      | —2·4      | —1·5  |
| False Point . . . . .        | +6·3     | p         | +2·0   | +4·3   | +2·1 | +0·4  | +0·3  | +0·3    | +0·3       | —0·6     | +0·7      | +0·8      | p     |
| Raipur . . . . .             | +3·9     | +3·7      | +2·5   | +4·8   | +1·7 | —0·1  | p     | —1·7    | —1·5       | —2·0     | +1·3      | +5·0      | p     |
| Nagpur . . . . .             | +1·1     | +1·6      | +1·6   | +3·2   | —0·6 | 0     | +0·2  | +0·8    | +2·8       | —2·2     | —0·5      | —0·1      | +0·7  |
| Seoni . . . . .              | +1·4     | +2·4      | —0·8   | +3·2   | +1·3 | +0·6  | —0·3  | —0·1    | +2·3       | —2·3     | —0·8      | +0·3      | +0·6  |

TABLE VIII.—Comparison of Mean Monthly Depression of Nocturnal Radiation Temperatures in 1886, with the averages of Table VII—continued.

| STATIONS.         | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|-------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Jubbulpore . . .  | -1'4     | +0'4      | -1'7   | -0'9   | -1'3 | -0'1  | -0'4  | -0'7    | -0'9       | -2'1     | -0'9      | 0         | -0'8  |
| Saugor . . .      | +0'4     | +0'4      | +0'9   | +6'0   | +2'3 | +1'8  | +1'7  | +1'5    | +1'1       | -2'1     | -0'2      | +0'6      | +1'2  |
| Pachmarhi . . .   | -0'9     | -2'1      | -1'6   | +0'1   | +1'0 | -0'1  | p     | p       | p          | -5'4     | -2'2      | -2'5      | p     |
| Hoshangabad . . . | -0'5     | +0'2      | -1'3   | -1'7   | -2'1 | -2'0  | -1'0  | -0'4    | +2'1       | -0'2     | +2'1      | +0'7      | -0'3  |
| Khandwa . . .     | +0'7     | +0'8      | +1'4   | +3'3   | +0'1 | 0     | 0     | +0'8    | +1'2       | -2'0     | -0'7      | +0'1      | +0'5  |
| Chanda . . .      | +0'4     | +1'2      | +2'0   | +2'6   | -1'8 | -1'0  | -0'5  | 0       | +2'2       | -0'5     | +1'5      | +1'9      | +0'7  |
| Sironcha . . .    | 0        | +0'7      | +0'4   | +2'7   | -0'3 | -0'1  | 0     | +0'6    | +2'0       | -2'6     | -1'3      | p         | p     |
| Chikalda . . .    | -2'0     | -0'7      | +1'6   | +4'3   | +1'1 | -1'2  | -0'8  | -0'1    | -0'1       | -5'7     | -3'5      | -4'9      | -1'0  |
| Buldana . . .     | -1'1     | -0'2      | -1'2   | +2'1   | -0'5 | -0'4  | -0'5  | +0'2    | +1'9       | -3'8     | +0'6      | +0'4      | -0'2  |
| Akola . . .       | +0'8     | +1'0      | +1'4   | +3'5   | +1'6 | 0     | -0'4  | +0'6    | +2'0       | -1'9     | +0'7      | 0         | +0'8  |
| Amraoti . . .     | -2'2     | -0'6      | -1'5   | +1'4   | -1'4 | -1'1  | -0'3  | -0'5    | +2'2       | -3'0     | -0'7      | +1'1      | -0'6  |
| Neemuch . . .     | -1'7     | -0'9      | -2'3   | -2'2   | -2'7 | -1'9  | -2'3  | -1'8    | +0'5       | -3'5     | -4'1      | -2'0      | -2'1  |
| Nowgong . . .     | -0'7     | +0'7      | +0'6   | +0'1   | -0'8 | +0'1  | -0'2  | -0'6    | +1'1       | -2'8     | -0'6      | -0'5      | -0'3  |
| Sutna . . .       | +0'5     | +2'1      | +1'3   | +2'2   | +1'0 | -0'1  | -0'6  | -0'1    | -0'2       | -1'5     | +1'2      | +2'3      | +0'7  |
| Indore . . .      | -3'4     | -3'3      | -3'8   | -2'5   | -2'4 | -0'6  | -1'0  | -0'6    | +0'8       | -2'8     | -1'6      | -0'9      | -1'8  |
| Bickaneer . . .   | +1'6     | +3'7      | +2'6   | +3'1   | +3'3 | +0'4  | +0'1  | -0'9    | -0'9       | 0        | +3'7      | +3'1      | +1'7  |
| Jeypore . . .     | -1'0     | -0'4      | -0'9   | +0'1   | -0'6 | +0'1  | -0'1  | +0'1    | +1'7       | -1'1     | -0'3      | +0'1      | +0'1  |
| Sambhar . . .     | 0        | -0'8      | -1'1   | -2'5   | -1'1 | 0     | -1'5  | -0'4    | -1'2       | -4'1     | -2'0      | -1'6      | -1'4  |
| Ajmere . . .      | +1'8     | +3'3      | +2'8   | +3'3   | +1'3 | +0'8  | 0     | -1'6    | -0'1       | 0        | +1'2      | +2'1      | +1'3  |
| Mount Abu . . .   | -4'6     | +0'5      | -3'7   | -4'4   | -2'2 | -1'4  | -1'4  | -1'4    | +0'6       | -0'6     | -0'8      | +1'6      | -1'5  |
| Pachpadra . . .   | -0'6     | -0'9      | -2'1   | +0'8   | +0'3 | -1'4  | p     | -0'2    | +0'4       | -1'0     | p         | -2'3      | p     |
| Jacobabad . . .   | -2'2     | -2'5      | -1'4   | -0'3   | -0'1 | -2'1  | -2'2  | -1'3    | -0'6       | -0'7     | -1'6      | -0'9      | -1'3  |
| Hyderabad . . .   | p        | -0'1      | -2'6   | -2'1   | -2'5 | -1'6  | -2'0  | -0'8    | -1'1       | p        | -3'5      | p         | p     |
| Kurrachee . . .   | +1'4     | +1'5      | -0'6   | +0'2   | -1'1 | -0'8  | -0'2  | -0'1    | -0'7       | -0'7     | -1'6      | -1'1      | -0'3  |
| Bhuj . . .        | -4'8     | -4'2      | -4'2   | -3'1   | -1'7 | -1'2  | -0'8  | -0'7    | 0          | +0'2     | 0         | +0'4      | -1'7  |
| Rajkot . . .      | -4'2     | -2'4      | p      | p      | p    | p     | +0'6  | p       | p          | +1'5     | +2'9      | +2'7      | p     |
| Deesa . . .       | +0'4     | +0'6      | -1'3   | +0'8   | -0'9 | -0'8  | -1'3  | -1'3    | +0'6       | -1'6     | -0'8      | +0'1      | -0'5  |
| Malegaon . . .    | -2'2     | -1'4      | -1'4   | -1'1   | -2'1 | -1'3  | -0'6  | -1'1    | -0'2       | -3'9     | -1'6      | -3'2      | -1'7  |
| Bombay . . .      | +0'7     | +1'2      | +1'7   | +3'0   | +0'5 | -0'1  | -0'2  | +0'2    | +0'7       | -1'7     | -1'7      | +0'6      | +0'4  |
| Sholapur . . .    | p        | p         | p      | +1'0   | -0'3 | -0'8  | -0'8  | -1'2    | +0'2       | -2'6     | +0'1      | -3'8      | p     |
| Ratnagiri . . .   | -1'3     | -0'2      | 0      | +0'8   | +1'3 | +3'8  | +0'9  | +0'8    | +0'8       | -0'3     | -2'3      | -0'4      | +0'3  |
| Belgaum . . .     | -2'7     | -0'2      | +0'7   | +0'3   | -1'8 | -0'6  | -0'4  | -0'6    | -0'3       | -2'2     | -2'4      | -2'1      | -1'1  |
| Karwar . . .      | +0'4     | +1'0      | +1'6   | +1'6   | +0'1 | -1'5  | -1'7  | -2'0    | -2'0       | -2'2     | -1'3      | +0'5      | -0'5  |
| Masulipatam . . . | p        | p         | p      | p      | -0'4 | -0'9  | -1'3  | -1'5    | -0'7       | -0'9     | -0'4      | -0'2      | p     |
| Mangalore . . .   | +1'8     | +1'3      | -0'2   | +1'0   | +0'3 | -0'7  | -0'9  | -0'5    | -0'3       | -2'3     | -1'0      | -1'1      | -0'2  |

TABLE VIII.—Comparison of Mean Monthly Depression of Nocturnal Radiation Temperatures in 1886, with the averages of Table VII—concluded.

| STATIONS           | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Trichinopoly . . . | +0.2     | -0.2      | -0.3   | -0.5   | -0.2 | -0.2  | 0     | +0.4    | +0.5       | +0.5     | 0         | 0         | 0     |
| Negapatam . . .    | -0.1     | -0.1      | +0.3   | +0.4   | +0.5 | +0.3  | +0.1  | -0.1    | +0.1       | +0.7     | +1.2      | +1.2      | +0.4  |
| Cochin . . .       | p        | p         | p      | +0.8   | p    | +0.4  | +0.4  | +0.4    | +0.5       | +0.7     | +0.5      | +0.6      | p     |
| Akyab . . .        | -0.4     | +0.2      | -0.3   | +3.3   | -0.3 | +1.8  | +1.1  | +0.9    | +0.8       | -0.2     | -0.1      | -0.1      | +0.6  |
| Thayetmyo . . .    | -1.9     | -2.5      | -0.4   | +1.8   | +0.9 | 0     | -1.2  | -0.7    | -0.2       | 0        | -0.9      | -0.6      | -0.5  |
| Toungoo . . .      | p        | p         | p      | p      | p    | p     | +0.3  | -1.0    | -0.6       | -0.1     | -0.4      | +2.2      | p     |
| Bassein . . .      | +0.4     | -0.6      | -0.3   | +0.7   | -0.5 | 0     | +0.3  | +0.1    | 0          | -0.3     | -0.8      | -0.8      | -0.2  |
| Rangoon . . .      | -0.7     | -0.4      | 0      | -0.7   | -1.5 | -0.7  | p     | -0.8    | p          | p        | p         | p         | p     |
| Moulmein . . .     | -2.8     | -3.3      | -3.1   | -2.1   | -2.8 | -2.2  | -0.8  | -0.1    | +0.3       | -0.6     | -0.8      | +0.7      | -1.5  |
| Mergui . . .       | -1.4     | -1.1      | -0.6   | -0.6   | -0.1 | +0.3  | +0.2  | 0       | 0          | -0.1     | -0.9      | -1.5      | -0.5  |
| Port Blair . . .   | +0.5     | +0.3      | +0.6   | +0.2   | -0.6 | 0     | 0     | +0.2    | +0.6       | -0.7     | -0.2      | +0.9      | +0.2  |
| Nancowry . . .     | -0.2     | -1.4      | -1.2   | -0.4   | -0.2 | +0.2  | +0.3  | +0.9    | +0.3       | +0.3     | +0.7      | -0.2      | -0.1  |

Some of the figures in the preceding table appear to be untrustworthy, more especially those of any station the algebraical sign of which is constant through the year, or the mean annual anomaly of which differs considerably from those of adjacent stations.

There are variations common to several neighbouring stations which evidently represent one phase of the local abnormal features of the year. Amongst these may be noticed—

*1st*—A large negative variation at Bareilly, Agra and Lucknow, representing of course a smaller difference between the minimum in shade and the terrestrial radiation thermometer than usual, and hence less radiation at night from the earth's surface.

*2nd*—A small negative variation in the case of all the Burma stations, indicating diminished radiation at night in that area.

The following table gives the algebraical means of all the quantities in each column of Table VIII, month by month, and hence the mean monthly anomalies of the whole Indian area :—

|                          | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. |
|--------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|
| Number of stations . . . | 82       | 81        | 81     | 84     | 83   | 85    | 84    | 87      | 85         | 86       | 87        | 86        |
| Mean . . .               | -0.5     | +0.1      | -0.4   | +0.8   | -0.3 | -0.2  | -0.4  | -0.3    | +0.2       | -1.1     | -0.3      | +0.1      |

The comparison table shews in the first place that the mean anomalies were small for all months except October, when there was a large negative anomaly (1.1°), and April, for which there was a largish positive anomaly (0.8°). The anomalies were positive for four months, *viz.*, February, April, September, and December, and negative for the remaining eight months. The mean anomaly of the year was -0.2°. Considering the unreliable character of some of the observations, it is doubtful whether this anomaly can be accepted as indicating a real decrease in the amount of the nocturnal radiation and therefore, a slightly less diathermanous condition of the atmosphere than usual,

## TEMPERATURE OF THE GROUND.

Observations of the temperature of the ground have been recorded during the whole of the year at the five stations, Calcutta, Allahabad, Dehra, Lahore, and Jeypore.

The thermometers used for the purpose are verified standard mercurial thermometers, with attached scales of porcelain, the scale being engraved also on the tube. At Alipore (Calcutta), with the exception of the thermometer at 6 feet and at Allahabad, with the exception of the thermometer at 9 feet, they are read three times daily, at equal intervals of eight hours; at Lahore, with the exception of the thermometer at 6 feet, and Jeypore, with the exception of the thermometers at 10 and 20 feet, they are read four times daily, at intervals of six hours; and at Dehra once daily, *viz.*, at 3 P.M.

The thermometers below the surface have the bulb protected with a pointed copper shoe, which rests on the ground at the bottom of a wooden tube, inserted to the specified depth, and projecting 6 inches above the surface, the upper end being closed by a cap of metal or wood. Those at depths of 3 and 6 feet are attached to the lower end of a stout wooden bar of about half the diameter of the tube. Those at one foot have a brass ring attached to the top of the wooden frame of the thermometer, by which it is lifted; and in all these, the lower part of the frame around the bulb has been cut away, and the lower end fitted with the copper shoe above mentioned.

Table IV (Appendix) gives the monthly means of the readings at the hours of observation and those of the day, in 1886. In the case of Dehra, only the former are available.

At Alipore (Calcutta), two thermometers are used for obtaining the temperature at one foot deep. The object of this was explained in the Report for 1882.<sup>1</sup> The instrument (here designated the old thermometer), which has been in use since April 1880, is inserted in a wooden tube, about 2 inches wider than the slip of wood to which the thermometer is attached. The mean temperature of the year, shewn by this instrument, is lower than either that of the surface thermometer or that at 3 feet deep, and it was found that the means, as computed from its observations, correctly represented the true diurnal means. It was, therefore, inferred that the anomaly might probably be due to the nocturnal convection of the cold air within the tube, and a consequent reduction of the temperature of the thermometer bulb below that of the ground or that depth. To test this view, and also to obtain a more trustworthy register, a second thermometer, here called the new thermometer, was installed at a few inches distance from the former, similarly mounted, but in a tube of such dimensions that the wooden mounting, with a strip of cloth around it above the bulb, loosely fits the section of the tube, and all convection is thus prevented. A comparison of three complete years' registers of the two thermometers has entirely confirmed the original surmise. While the afternoon ( $13\frac{3}{4}$ h.) temperatures, shewn by the new thermometer, are either the same as those of the old thermometer or slightly lower, the early morning ( $5\frac{3}{4}$ h.) and late evening ( $21\frac{3}{4}$ h.) readings are almost invariably higher; and especially so in the cold season and in clear weather, when the nocturnal radiation is greatest. In some months, this difference exceeds  $1^{\circ}$ ; and the mean of the day, on the average of three years, as shewn by the new thermometer, is  $0.2^{\circ}$  higher than that of the

<sup>1</sup> Report on the Meteorology of India in 1882, page 26.



old thermometer, and is in excess of the mean surface temperature by  $0.3^{\circ}$ , being  $1^{\circ}$  lower than that of the thermometer at 3 feet deep.

From the registers of the surface, 1 foot (new) and 3 feet thermometers at Alipore, it appears, as in previous years, that, not only is the temperature of the ground surface, on an average,  $3.2^{\circ}$  higher than that of the air, but there is a further rapid increase downwards, amounting on an average to  $1.4^{\circ}$  in 3 feet. This, as has been pointed out in previous reports, can only be attributed to the existence of an abnormal source of heat at some moderate depth below the ground surface. And there is no difficulty in indicating such, in the decomposing organic matter with which certain beds in the alluvium are highly charged. At a depth of about 40 feet beneath Calcutta, for example, is a bed of quicksand of a dark colour and strong fetid smell, which is distinctly warm to the touch.

The Allahabad ground temperatures also shew a slight downward decrease ( $0.1^{\circ}$ ), on the average of nearly seven years. At Jeypore, the surface temperature of the five years for which we have a complete register, is  $3.4^{\circ}$  higher than that at 3 feet deep, and not less than  $5.9^{\circ}$  higher than that of the air.

The averages of past years, and the monthly departures from them in 1886, at the four stations, are given in the following Tables IX and X:—

TABLE IX.—Average Monthly Mean Temperatures of the Ground and of the Air.

|                    |               | Years. | January. | February. | March. | April. | May.  | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------|---------------|--------|----------|-----------|--------|--------|-------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Calcutta (Alipore) | Air . . .     | 9—10   | 65.1     | 70.0      | 79.2   | 84.8   | 84.7  | 84.5  | 83.0  | 82.4    | 82.3       | 80.1     | 72.3      | 65.2      | 77.8  |
|                    | Surface . .   | 8—9    | 64.3     | 70.4      | 82.4   | 91.0   | 90.2  | 88.0  | 86.3  | 86.0    | 85.9       | 83.3     | 73.2      | 65.0      | 80.5  |
|                    | 1 foot deep   | 6—7    | 68.0     | 70.9      | 78.7   | 86.4   | 87.7  | 87.6  | 86.5  | 85.7    | 85.5       | 83.8     | 76.7      | 69.6      | 80.6  |
|                    | 3 feet „ .    | 8—9    | 72.1     | 73.5      | 78.5   | 84.6   | 86.9  | 87.5  | 86.6  | 86.1    | 86.0       | 85.3     | 80.9      | 75.1      | 81.9  |
| Allahabad . .      | Air . . .     | 19—21  | 60.6     | 65.4      | 78.1   | 87.5   | 92.0  | 91.3  | 84.9  | 83.7    | 83.0       | 77.8     | 67.9      | 60.6      | 77.7  |
|                    | Surface . .   | 6—7    | 62.8     | 68.1      | 81.6   | 92.9   | 98.2  | 95.6  | 87.0  | 86.8    | 87.0       | 82.4     | 70.9      | 62.4      | 81.3  |
|                    | 1 foot deep   | 6—7    | 64.0     | 67.6      | 78.1   | 87.7   | 93.8  | 94.1  | 87.5  | 86.9    | 86.8       | 82.6     | 73.3      | 65.6      | 80.7  |
|                    | 3 feet „ .    | 6—7    | 68.8     | 69.9      | 76.4   | 83.7   | 89.2  | 91.3  | 87.9  | 86.8    | 86.7       | 84.4     | 78.2      | 71.6      | 81.2  |
| Jeypore . . .      | Air . . .     | 17—18  | 60.7     | 63.4      | 75.9   | 85.1   | 90.0  | 90.4  | 84.0  | 81.9    | 82.4       | 77.8     | 69.4      | 61.9      | 76.9  |
|                    | Surface . .   | 5—6    | 62.2     | 67.7      | 83.3   | 93.9   | 100.4 | 99.1  | 89.7  | 89.2    | 90.6       | 86.0     | 70.8      | 61.2      | 82.8  |
|                    | 4 inches deep | 5—6    | 62.9     | 67.4      | 80.8   | 90.2   | 96.2  | 95.7  | 87.3  | 86.9    | 87.3       | 85.5     | 92.9      | 63.5      | 81.4  |
|                    | 1 foot „ .    | 5—6    | 62.5     | 64.8      | 76.6   | 85.3   | 91.9  | 93.6  | 86.9  | 86.3    | 86.0       | 83.4     | 72.4      | 63.6      | 79.4  |
|                    | 3 feet „ .    | 5—6    | 66.8     | 66.6      | 73.4   | 80.4   | 85.9  | 89.3  | 87.0  | 85.7    | 85.2       | 84.4     | 77.3      | 70.5      | 79.4  |
|                    | 10 „ . .      | 5—6    | 75.4     | 73.3      | 73.0   | 75.4   | 78.8  | 81.6  | 83.9  | 83.8    | 83.8       | 83.9     | 82.4      | 79.2      | 79.6  |
| Dehra . . .        | 20 „ . .      | 5      | 79.3     | 77.7      | 76.6   | 76.6   | 77.9  | 79.7  | 80.9  | 81.8    | 82.3       | 82.6     | 82.5      | 81.5      | 80.0  |
|                    | Air . . .     | 20—21  | 54.9     | 57.2      | 66.3   | 76.5   | 81.7  | 84.4  | 79.7  | 78.7    | 77.5       | 70.6     | 61.9      | 56.1      | 70.5  |
|                    | 1.1 feet deep | 5—6    | 57.9     | 58.7      | 67.9   | 78.6   | 84.3  | 87.9  | 84.3  | 83.0    | 82.5       | 76.8     | 67.3      | 60.5      | 74.1  |
|                    | 3.2 „ . .     | 5—6    | 61.7     | 61.1      | 66.3   | 74.3   | 80.0  | 83.9  | 83.1  | 82.3    | 81.9       | 78.5     | 71.2      | 64.9      | 74.1  |
|                    | 6.4 „ . .     | 5—6    | 66.8     | 65.3      | 67.1   | 67.4   | 75.9  | 79.4  | 80.8  | 81.2    | 81.2       | 79.8     | 75.3      | 70.3      | 74.2  |

TABLE X.—Comparison of the Monthly Mean Temperatures of the Ground in 1886, with the averages of Table IX.

|                             |                   | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|-----------------------------|-------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Calcutta ( <i>Alipore</i> ) | Surface . .       | −0.7     | −2.1      | −1.9   | −1.1   | +0.2 | +0.3  | +0.1  | +0.3    | −0.4       | +1.4     | +1.9      | +0.8      | −0.1  |
|                             | 1 foot deep . .   | −0.5     | −1.8      | −0.7   | −0.7   | +0.5 | +0.5  | −0.2  | +0.2    | +0.3       | +1.1     | +1.9      | +1.8      | +0.2  |
|                             | 3 feet „ . .      | −0.7     | −1.6      | −0.8   | −0.9   | +0.2 | +0.1  | −0.1  | +0.3    | +0.3       | +0.4     | +1.4      | +1.5      | 0     |
| Allahabad . .               | Surface . .       | −4.4     | −1.8      | +1.0   | +0.2   | +4.2 | +2.1  | +0.6  | +0.5    | −0.4       | +1.1     | −0.6      | −2.2      | 0     |
|                             | 1 foot deep . .   | −4.1     | −3.8      | −2.5   | −2.5   | +0.2 | −0.5  | −0.7  | −0.7    | −1.6       | −0.5     | −0.1      | −2.1      | −1.6  |
|                             | 3 feet „ . .      | −4.1     | −3.7      | −2.8   | −2.2   | +0.2 | +0.4  | −0.5  | −0.7    | −1.6       | −0.9     | −0.3      | −1.4      | −1.4  |
| Jeypore . . .               | Surface . .       | +1.3     | +0.4      | 0      | +1.4   | +3.5 | +0.5  | −0.8  | −1.4    | −1.1       | +2.4     | +3.9      | +2.1      | +1.0  |
|                             | 4 inches deep . . | +0.2     | +0.6      | 0      | +0.7   | +3.4 | −0.1  | 0     | −0.9    | +0.2       | +1.4     | +3.2      | +2.2      | +0.9  |
|                             | 1 foot „ . .      | +0.3     | +1.0      | +0.9   | +0.7   | +3.4 | +0.4  | +0.3  | −1.0    | −0.5       | +1.2     | +2.5      | +1.7      | +0.9  |
|                             | 3 feet „ . .      | +0.8     | +1.0      | +1.0   | 0      | +1.0 | +0.4  | +0.9  | −0.3    | −0.3       | +0.4     | +1.4      | +1.4      | +0.6  |
|                             | 10 „ „ . .        | +0.9     | +0.2      | +0.5   | +0.7   | +1.0 | +1.4  | +1.7  | +0.8    | +0.2       | 0        | 0         | 0         | +0.6  |
|                             | 20 „ „ . .        | −0.8     | −1.5      | −1.6   | −0.6   | +0.6 | +1.6  | −0.1  | −0.3    | −0.3       | −0.4     | −0.2      | +0.5      | −0.3  |
| Dehra . . .                 | 1.1 feet „ . .    | −0.8     | −1.0      | −1.6   | −1.4   | −1.3 | −1.5  | −0.5  | 0       | +0.7       | 0        | +1.1      | +0.7      | −0.5  |
|                             | 3.2 „ „ . .       | −0.9     | −0.9      | −1.0   | −1.9   | −1.1 | −1.8  | −0.5  | +0.2    | +0.5       | −0.1     | +0.5      | +0.7      | −0.5  |
|                             | 6.4 „ „ . .       | −0.3     | −0.6      | −0.5   | +2.6   | −1.0 | −1.5  | −0.5  | +0.3    | +0.5       | +0.1     | +0.2      | +0.4      | 0     |

## TEMPERATURE OF THE AIR.

At the large majority of stations,<sup>1</sup> the temperature of the air is observed only at 10 A.M. and 4 P.M., and these readings, together with those of the maximum and minimum self-registering thermometers, afford the data for the deduction of the mean temperature. At some stations in the Madras Presidency, readings are also recorded at

<sup>1</sup> At Dehra, in the North-Western Provinces, the observations are recorded at 9h. 30m. and 15h. 30m., instead of 10h. and 16h.

10 P.M. ; at Lahore, Chamba, Jeypore, Allahabad, Saugor Island, and Vizagapatam, 4 A.M. and 10 P.M. are additional hours ; and at Calcutta (Alipore), Bombay, and Leh 6 A.M. and 10 P.M.

At stations in India and Burma generally, the instruments are suspended in a cage, consisting of a narrow frame, with wire net-work at front and back, which is affixed to one of the uprights supporting the ridge-pole of a thatched shed, open all round, at such a height that the bulbs of the several thermometers range from 4 feet to 4 feet 6 inches above the ground level. The shed and cage, of the approved form, are depicted in Part I of the Indian Meteorologist's *Vade Mecum* ; and although it appears that, at some stations, this pattern is not strictly adhered to, the variations in general are not great. At Simla, Lucknow, Roorkee, Dehra, Saugor, Seoni, Jubbulpore, Akola, Amraoti and Kurrachee, the sheds are smaller, and more or less enclosed by lattice-work or louvres, but the readings of the instruments are apparently not much affected thereby.

With the exception of those at Vizagapatam, all the thermometers for air-temperatures at stations other than of Ceylon have been verified either at Calcutta, Bombay, or Madras. The verification at the freezing points was made by immersion in crushed melting ice, and at higher temperatures, comprehending the whole range of observation, by comparison with Kew standard thermometers. All the readings are corrected to their true values.

The thermometers in use in Ceylon have been verified at Colombo, at various temperatures, by comparison with a standard thermometer, tested at the Greenwich observatory.

Table V (Appendix) gives the monthly and annual means and extreme temperatures at 140 observatories (four more than in 1885). Three stations, *viz.*, Dehra, Calcutta, and Lahore, furnish duplicate registers ; so that the number of stations represented is 137. The registers of Calicut on the Malabar Coast, Mandalay in Upper Burma, and Cocos or Table Island north of the Andamans, appear in the present report for the first time. Owing to various causes, the following are more or less incomplete :—

|             |             |                 |
|-------------|-------------|-----------------|
| Amini Divi. | Rajkot.     | Mandalay.       |
| Mussooree.  | Hambantota. | Diamond Island. |
| Sironcha.   | Kandy.      | Cocos Island.   |

The tabulated data are the means of each hour of observation, those of the maximum and minimum temperatures respectively, the extreme temperatures of each month and year, the mean daily and the extreme monthly and annual ranges, and the mean temperatures of each month of the year, which have been computed in the following manner :—

- (a) At Calcutta (Alipore), they are the means of the hourly measurements of the thermograph traces.
- (b) At Leh, the means of the observations at 6h., 10h., 16h., and 22h., without further correction.
- (c) At Bombay the means of the measurements of the thermograph traces, at 6h., 10h., 14h., 16h., and 22h., with additive corrections, derived from the Colaba hourly observations in past years.
- (d) At Lahore, Chamba, Allahabad, Jeypore, Vizagapatam, and Saugor Island, the means of the four sets of readings at 4h., 10h., 16h., and 22h., without further correction.

- (e) At stations in the Punjab (excepting Lahore), the Central Provinces and Berar, and also at Dehra (Forest School), Ghazipur, Dhubri, Tezpur, Tura, Demagiri, False Point, Port Blair, Nancowry, Katmandu, Quetta, Bushire, Pedong, Aden, the Burmese stations (excepting Akyab), stations in Rajputana (excepting Ajmere, Sambhar, and Jeypore), in Central India and Bombay (excepting those specified in (c) and (h)), and at Gopalpur, Calicut, Mangalore, and Mercara, they are the means of the 16-hour readings and the minimum temperatures.
- (f) At the Madras stations, including Bangalore and Secunderabad, but not Vizagapatam, Gopalpur, Mangalore, Mercara, Rajahmundry, Kurnool, Cuddapah, Coimbatore, Madura, and Amini Divi, the means of the 10h., 16h., and 22h., and minimum observations, corrected by range factors, derived from the Madras registers in past years. At Kurnool, Cuddapah, Coimbatore, Madura, Amini Divi, Masulipatam, and Rajahmundry, the means of the 10h., 16h., and minimum observations only, similarly corrected.
- (g) At the stations in Bengal and Assam (excepting those named in a, d and e), in the North-Western Provinces (except at Allahabad, Ghazipur, and Dehra Forest School), at Ajmere, Sambhar, and Akyab, the means of the 10h., and 16h. and minimum observations, corrected by range factors, derived from the six-hourly observations at the same or neighbouring stations in past years. In the case of Dehra, the Roorkee factors have been used, and in that of Sibsagar, the Goalpara factors. The Monghyr factors are employed for Purneah, the Patna factors for Durbhunga, and those of Calcutta for Berhampore, Jessore, and Burdwan. In the case of Pithoragarh, the Ranikhet range factors have been used, and in that of Sambhar, the Ajmere factors.
- (h) At Deesa, Kurrachee, Poona, and Belgaum, they are the means of the observations, with additive or subtractive corrections, derived from the hourly observations of past years.
- (i) At Mongpoo (Bengal) and the Ceylon stations, they are those of the maximum and minimum temperatures.

Table VI, in the Appendix, gives the data from which the isotherms of each month, in Plates II to IV, have been drawn. These are the adopted sea-level equivalents of the mean monthly temperatures in Table V (omitting hill stations). The reduction to sea-level values has been made, by adding  $1^{\circ}$  temperature for every 450 feet of elevation.

Table XI, below, gives the average temperatures of all the stations, the records of which afford data for three years and upwards, derived from the registers of past years, by the same methods as are employed to obtain the means of Table V (Appendix I); and Table XII shews the variations, in 1886, above or below these averages. Table XIII is a geographical summary of the data of Table XII.

In a very carefully worked out discussion of the temperature registers of North-Western India, published in Part II of the second volume of the *Indian Meteorological Memoirs*, Mr. S. A. Hill has determined what are probably more accurate average monthly and annual temperatures for a number of the stations here included, than those adopted in Table XI. And he has further given range factors, by the use of which the crude means of the same stations in Table V (Appendix) may be corrected to values of the same order. As, however, the differences of the values in Mr. Hill's table and those here given are, in most cases, very small, and as, after all, the former can be considered only as a closer approximation to an unknown true mean, it has been considered better to adhere to the methods hitherto followed, and so preserve the continuity of the records. The temperatures of 60 stations, extracted from Mr. Hill's table, were given in the report for 1882 (p. 39).

TABLE XI.—Average monthly mean temperatures of 132 stations in India, Ceylon, &amp;c.

| STATIONS.        | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Aden . . .       | 4—7    | 75.2     | 76.0      | 78.4   | 81.9   | 84.8 | 86.7  | 85.3  | 84.9    | 86.1       | 81.9     | 77.4      | 75.6      | 81.2  |
| Mauritius . .    | 15—16  | 78.9     | 78.8      | 78.0   | 76.6   | 73.1 | 70.3  | 68.7  | 69.0    | 70.1       | 72.2     | 75.0      | 77.7      | 74.0  |
| Bushire . . .    | 9—10   | 57.4     | 57.6      | 62.7   | 71.4   | 80.9 | 84.5  | 88.1  | 88.7    | 85.0       | 77.7     | 69.0      | 61.1      | 73.7  |
| Amini Divi . .   | 3      | P        | P         | P      | P      | P    | 81.7  | 79.8  | 80.1    | 79.9       | 80.1     | 79.6      | P         | P     |
| Quetta . . .     | 8—9    | 39.9     | 39.8      | 49.9   | 57.6   | 66.1 | 73.8  | 77.2  | 75.1    | 67.4       | 55.9     | 46.2      | 41.1      | 57.5  |
| Leh . . .        | 11—16  | 17.8     | 19.3      | 31.0   | 40.8   | 47.1 | 56.0  | 61.6  | 60.2    | 52.4       | 40.1     | 30.5      | 23.2      | 40.0  |
| Mooltan . . .    | 16—18  | 54.6     | 58.3      | 70.3   | 79.7   | 88.7 | 93.9  | 91.6  | 89.2    | 86.6       | 77.2     | 66.1      | 56.6      | 76.1  |
| Dera Ismail Khan | 18—20  | 52.4     | 56.3      | 66.6   | 77.1   | 86.7 | 92.8  | 91.3  | 89.7    | 86.0       | 75.2     | 62.0      | 54.0      | 74.2  |
| Peshawar . . .   | 10—11  | 50.1     | 51.6      | 62.1   | 70.2   | 80.4 | 88.8  | 89.0  | 87.2    | 81.3       | 71.0     | 58.4      | 50.8      | 70.1  |
| Murree . . .     | 16—17  | 38.8     | 38.7      | 48.4   | 57.0   | 64.5 | 71.3  | 68.3  | 66.5    | 65.1       | 58.4     | 49.1      | 43.2      | 55.8  |
| Rawalpindi . .   | 18—20  | 48.7     | 51.5      | 61.3   | 71.2   | 80.9 | 88.7  | 86.7  | 83.8    | 80.2       | 69.7     | 57.2      | 50.3      | 69.2  |
| Sialkot . . .    | 19—20  | 52.2     | 56.0      | 65.7   | 77.0   | 84.9 | 90.7  | 86.6  | 85.2    | 83.1       | 74.8     | 62.1      | 53.2      | 72.6  |
| Lahore . . .     | 18—20  | 54.0     | 58.5      | 69.4   | 80.9   | 88.2 | 93.3  | 88.9  | 87.8    | 84.8       | 76.9     | 64.5      | 55.5      | 75.2  |
| Ludhiana . . .   | 17—19  | 52.4     | 56.9      | 67.8   | 78.4   | 85.2 | 90.6  | 86.1  | 85.7    | 83.0       | 74.9     | 62.6      | 54.4      | 73.2  |
| Chamba . . .     | 3      | P        | P         | P      | P      | P    | P     | P     | P       | P          | 65.3     | 56.1      | 50.6      | P     |
| Kailang . . .    | 3—4    | 21.2     | 18.3      | 29.2   | 36.4   | 45.8 | 54.1  | 61.1  | 60.3    | 54.4       | 42.1     | 32.0      | 24.1      | 39.9  |
| Simla . . .      | 12—15  | 40.6     | 41.1      | 49.5   | 58.4   | 63.4 | 67.1  | 64.2  | 62.9    | 61.4       | 55.9     | 48.8      | 44.8      | 54.8  |
| Delhi . . .      | 11—12  | 58.5     | 62.0      | 74.2   | 84.5   | 89.3 | 92.9  | 86.7  | 85.6    | 84.3       | 78.8     | 68.3      | 60.2      | 77.1  |
| Sirsa . . .      | 9—11   | 55.9     | 59.3      | 71.2   | 81.9   | 88.5 | 93.0  | 89.1  | 88.2    | 85.6       | 78.4     | 65.1      | 57.1      | 76.1  |
| Chakrata . . .   | 18—19  | 42.3     | 43.1      | 51.1   | 59.9   | 64.0 | 67.3  | 64.3  | 64.1    | 63.0       | 57.8     | 51.3      | 46.3      | 56.2  |
| Dehra . . .      | 20—21  | 54.9     | 57.2      | 66.3   | 76.5   | 81.7 | 84.4  | 79.7  | 78.7    | 77.5       | 70.6     | 61.9      | 56.1      | 70.5  |
| Roorkee . . .    | 24     | 56.4     | 60.3      | 70.3   | 81.8   | 87.4 | 90.2  | 84.7  | 83.7    | 82.5       | 75.0     | 64.1      | 57.0      | 74.5  |
| Ranikhet . . .   | 16—17  | 46.1     | 48.0      | 56.2   | 65.2   | 67.6 | 70.6  | 67.7  | 67.1    | 66.0       | 61.0     | 54.7      | 49.5      | 60.0  |
| Pithoragarh . .  | 5—6    | 48.7     | 50.3      | 59.0   | 67.0   | 68.2 | 71.4  | 71.1  | 70.3    | 69.8       | 64.1     | 57.1      | 52.3      | 62.4  |
| Meerut . . .     | 19—21  | 56.7     | 61.7      | 72.7   | 82.9   | 88.6 | 91.4  | 86.2  | 84.9    | 83.4       | 76.1     | 65.4      | 57.7      | 75.6  |
| Bareilly . . .   | 20—21  | 57.5     | 61.8      | 72.5   | 83.1   | 87.5 | 89.0  | 84.0  | 83.2    | 82.5       | 76.2     | 65.6      | 58.0      | 75.1  |
| Agra . . .       | 23—24  | 60.4     | 65.2      | 76.7   | 87.9   | 93.7 | 94.3  | 87.0  | 85.3    | 84.4       | 79.7     | 69.9      | 62.0      | 78.9  |
| Lucknow . . .    | 20—21  | 60.9     | 65.9      | 77.0   | 87.3   | 91.5 | 91.9  | 86.1  | 85.2    | 84.6       | 78.8     | 68.8      | 61.1      | 78.3  |
| Gorakhpur . . .  | 19—21  | 60.5     | 64.9      | 76.3   | 85.9   | 87.7 | 88.0  | 84.1  | 83.7    | 83.7       | 79.0     | 69.1      | 61.8      | 77.0  |
| Jhansi . . .     | 19—21  | 63.3     | 67.8      | 78.8   | 88.6   | 94.5 | 92.9  | 83.7  | 82.6    | 82.5       | 80.6     | 73.0      | 64.8      | 79.4  |
| Allahabad . . .  | 19—21  | 60.6     | 65.4      | 78.1   | 87.5   | 92.0 | 91.3  | 84.9  | 83.7    | 83.0       | 77.8     | 67.9      | 60.6      | 77.7  |
| Benares . . .    | 21—23  | 60.9     | 65.9      | 77.3   | 87.1   | 91.1 | 91.3  | 84.9  | 84.1    | 83.2       | 78.1     | 68.5      | 60.9      | 77.8  |
| Ghazipur . . .   | 3—5    | 60.6     | 63.5      | 76.4   | 86.4   | 88.6 | 87.8  | 84.0  | 82.8    | 83.1       | 78.0     | 67.6      | 60.3      | 76.6  |
| Katmandu . . .   | 7—8    | 47.7     | 49.6      | 59.0   | 63.6   | 67.3 | 72.7  | 73.4  | 72.3    | 71.1       | 64.2     | 54.1      | 48.3      | 61.9  |

TABLE XI.—Average monthly mean temperatures of 132 stations in India, Ceylon, &amp;c.—continued

| STATIONS.                 | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|---------------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Sibsagar . . .            | 13     | 58·8     | 62·5      | 68·8   | 73·7   | 77·9 | 83·1  | 83·8  | 83·1    | 81·8       | 77·1     | 68·5      | 61·0      | 73·3  |
| Dhubri . . .              | 5—6    | 63·0     | 64·6      | 75·1   | 79·0   | 78·3 | 80·4  | 82·1  | 81·1    | 79·7       | 78·2     | 70·7      | 64·6      | 74·7  |
| Tura . . .                | 3      | 61·9     | 63·1      | 74·5   | 77·9   | 76·0 | ?     | 78·0  | 77·3    | 77·2       | 74·5     | 68·6      | 63·0      | ?     |
| Silchar . . .             | 17—18  | 63·5     | 67·0      | 73·4   | 77·8   | 79·5 | 81·7  | 82·3  | 81·9    | 81·7       | 79·8     | 73·1      | 65·9      | 75·6  |
| Darjeeling . .            | 18—19  | 39·5     | 40·7      | 48·0   | 53·7   | 55·7 | 59·6  | 60·9  | 60·7    | 58·5       | 54·4     | 47·8      | 41·8      | 51·8  |
| Mongpoo . . .             | 9      | 53·6     | 54·8      | 63·0   | 67·8   | 68·5 | 71·6  | 72·8  | 72·1    | 71·5       | 67·7     | 60·9      | 55·1      | 65·0  |
| Purneah . . .             | 8—11   | 61·8     | 65·6      | 76·4   | 84·0   | 83·3 | 84·1  | 84·0  | 83·7    | 83·1       | 79·0     | 70·8      | 63·0      | 76·6  |
| Durbhunga . .             | 9—11   | 62·2     | 64·6      | 75·6   | 84·1   | 84·6 | 85·3  | 84·3  | 83·6    | 83·4       | 79·5     | 71·2      | 63·3      | 76·8  |
| Patna . . .               | 18—19  | 61·3     | 65·7      | 77·6   | 87·0   | 88·5 | 88·1  | 84·7  | 84·0    | 83·9       | 79·7     | 70·4      | 62·5      | 77·8  |
| Gya . . .                 | 15—16  | 64·2     | 69·1      | 80·3   | 89·4   | 91·5 | 89·3  | 84·3  | 83·7    | 84·1       | 80·2     | 71·5      | 64·4      | 79·3  |
| Hazaribagh . .            | 18—19  | 61·1     | 64·8      | 75·0   | 83·6   | 85·2 | 82·4  | 78·3  | 77·7    | 77·5       | 74·1     | 67·1      | 60·8      | 74·0  |
| Berhampore . .            | 19     | 64·5     | 68·8      | 78·2   | 85·2   | 84·6 | 83·9  | 83·1  | 82·6    | 82·7       | 80·4     | 72·9      | 65·7      | 77·7  |
| Burdwan . . .             | 13—14  | 66·0     | 70·0      | 79·7   | 85·7   | 84·6 | 84·4  | 83·4  | 82·6    | 82·8       | 80·5     | 73·0      | 66·4      | 78·3  |
| Jessore . . .             | 18—19  | 65·2     | 69·7      | 78·8   | 83·2   | 83·5 | 83·1  | 82·5  | 82·1    | 82·2       | 80·2     | 72·9      | 65·8      | 77·4  |
| Dacca . . .               | 17—19  | 66·2     | 70·8      | 78·9   | 82·6   | 82·7 | 83·2  | 83·2  | 83·1    | 83·1       | 81·4     | 74·7      | 68·0      | 78·2  |
| Chittagong . .            | 18—19  | 66·5     | 70·7      | 77·1   | 81·3   | 82·0 | 81·1  | 80·6  | 80·4    | 81·0       | 79·7     | 74·3      | 68·0      | 76·9  |
| Demagiri . . .            | 6—8    | 62·2     | 64·2      | 72·7   | 78·0   | 78·7 | 78·8  | 78·3  | 78·5    | 78·7       | 78·0     | 72·8      | 65·2      | 73·8  |
| Calcutta (Alipore). .     | 9—10   | 65·1     | 70·0      | 79·2   | 84·8   | 84·7 | 84·5  | 83·0  | 82·4    | 82·3       | 80·1     | 72·3      | 65·2      | 77·8  |
| Calcutta (Chowringhee). . | 5—7    | 67·2     | 70·8      | 79·6   | 84·9   | 83·8 | 83·3  | 82·3  | 81·6    | 81·9       | 80·4     | 73·0      | 66·6      | 78·0  |
| Saugor Island . .         | 18—19  | 67·4     | 72·7      | 80·0   | 83·8   | 85·1 | 84·9  | 82·9  | 82·7    | 82·7       | 80·3     | 73·6      | 66·9      | 78·6  |
| Cuttack . . .             | 19     | 71·5     | 75·9      | 82·8   | 87·6   | 88·6 | 86·2  | 83·2  | 83·2    | 83·0       | 81·4     | 75·2      | 69·8      | 80·7  |
| False Point . .           | 7—9    | 67·8     | 72·2      | 78·1   | 82·2   | 83·1 | 83·6  | 81·5  | 81·4    | 81·6       | 79·9     | 72·7      | 66·3      | 77·5  |
| Sambalpur . . .           | 15—16  | 67·5     | 72·6      | 80·8   | 89·4   | 92·5 | 87·3  | 80·5  | 80·5    | 81·6       | 79·4     | 71·9      | 66·4      | 79·2  |
| Raipur . . .              | 17—18  | 67·0     | 71·4      | 80·0   | 88·1   | 92·0 | 85·6  | 78·8  | 79·2    | 79·7       | 77·4     | 70·1      | 65·8      | 77·9  |
| Nagpur . . .              | 17—18  | 68·5     | 73·4      | 81·9   | 88·6   | 92·8 | 85·6  | 79·1  | 79·3    | 79·3       | 77·3     | 70·8      | 66·9      | 78·6  |
| Seoni . . .               | 15     | 63·8     | 68·3      | 77·1   | 84·2   | 87·4 | 81·9  | 76·2  | 75·8    | 76·1       | 73·0     | 66·3      | 62·5      | 74·4  |
| Jubbulpore . .            | 18     | 61·9     | 66·0      | 75·9   | 84·7   | 90·2 | 85·9  | 78·8  | 78·2    | 78·6       | 74·2     | 65·7      | 60·9      | 75·1  |
| Saugor . . .              | 15—17  | 63·3     | 67·2      | 77·5   | 85·1   | 88·9 | 85·0  | 77·6  | 76·6    | 77·3       | 75·3     | 69·2      | 63·7      | 75·6  |
| Pachmarhi . . .           | 14—15  | 57·9     | 61·9      | 71·5   | 79·3   | 83·3 | 77·6  | 70·5  | 69·8    | 70·5       | 67·1     | 59·9      | 56·3      | 68·8  |
| Hoshangabad . .           | 17—18  | 65·8     | 69·8      | 79·3   | 87·7   | 92·6 | 87·1  | 79·1  | 78·4    | 79·4       | 77·2     | 70·1      | 65·7      | 77·7  |
| Khandwa . . .             | 10—12  | 66·9     | 70·4      | 80·0   | 87·3   | 91·9 | 86·5  | 79·5  | 78·7    | 78·5       | 76·8     | 69·6      | 65·0      | 77·6  |
| Chanda . . .              | 15—17  | 68·6     | 74·1      | 82·1   | 89·5   | 92·9 | 86·5  | 80·0  | 79·8    | 79·5       | 77·0     | 70·2      | 66·1      | 78·9  |
| Sironcha . . .            | 10—11  | 71·1     | 77·9      | 85·4   | 91·7   | 93·6 | 87·0  | 80·8  | 80·5    | 80·5       | 79·4     | 73·4      | 69·1      | 80·9  |
| Chikalda . . .            | 10—11  | 63·5     | 67·2      | 75·2   | 80·8   | 82·1 | 74·9  | 69·0  | 68·2    | 68·6       | 69·0     | 64·9      | 61·8      | 70·4  |

TABLE XI.—Average monthly mean temperatures of 132 stations in India, Ceylon, &amp;c.—continued.

| STATIONS.          | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Buldana . . .      | 12—13  | 68·4     | 72·7      | 80·7   | 86·2   | 87·5 | 80·4  | 75·7  | 74·6    | 74·7       | 75·1     | 70·4      | 67·1      | 76·1  |
| Akola . . .        | 13—14  | 68·2     | 72·9      | 81·5   | 88·9   | 93·0 | 85·6  | 79·7  | 79·2    | 78·7       | 76·7     | 70·4      | 66·2      | 78·4  |
| Amraoti . . .      | 14     | 69·3     | 73·8      | 82·2   | 88·6   | 91·0 | 84·0  | 78·5  | 77·8    | 77·7       | 76·6     | 71·2      | 67·8      | 78·2  |
| Makhla . . .       | 7—8    | 64·3     | 67·8      | 76·8   | 82·9   | 85·0 | 76·0  | 70·9  | 70·2    | 70·5       | 70·3     | 65·7      | 63·0      | 72·0  |
| Neemuch . . .      | 9—10   | 62·3     | 65·0      | 75·9   | 84·0   | 88·5 | 86·4  | 79·2  | 77·9    | 77·8       | 76·3     | 68·1      | 62·6      | 75·3  |
| Nowgong . . .      | 9—10   | 60·3     | 64·6      | 76·5   | 86·4   | 91·7 | 91·0  | 82·9  | 82·1    | 82·0       | 77·0     | 66·3      | 59·9      | 76·7  |
| Sutna . . .        | 10—11  | 60·7     | 64·4      | 75·8   | 85·0   | 89·7 | 89·0  | 81·4  | 80·6    | 80·5       | 76·0     | 66·2      | 60·1      | 75·8  |
| Indore . . .       | 9      | 63·8     | 66·4      | 75·6   | 82·8   | 87·3 | 82·5  | 76·7  | 75·8    | 75·8       | 74·3     | 66·6      | 62·2      | 74·2  |
| Bickaneer . . .    | 8—10   | 60·7     | 63·5      | 77·3   | 87·2   | 93·1 | 94·8  | 89·9  | 87·4    | 87·5       | 83·8     | 71·3      | 62·6      | 79·9  |
| Jeypore . . .      | 17—18  | 60·7     | 63·4      | 75·9   | 85·1   | 90·0 | 90·4  | 84·0  | 81·9    | 82·4       | 77·8     | 69·4      | 61·9      | 76·9  |
| Sambhar . . .      | 6—7    | 58·5     | 61·6      | 73·2   | 85·4   | 91·0 | 87·4  | 82·4  | 81·4    | 80·8       | 77·1     | 65·4      | 58·4      | 75·2  |
| Ajmere . . .       | 20     | 57·6     | 61·1      | 72·4   | 83·2   | 89·0 | 87·5  | 82·1  | 79·5    | 80·7       | 74·9     | 66·1      | 58·8      | 74·4  |
| Mount Abu . . .    | 8—11   | 57·7     | 59·6      | 69·0   | 75·1   | 79·0 | 75·3  | 69·4  | 67·7    | 68·9       | 70·1     | 63·8      | 58·9      | 67·9  |
| Pachpadra . . .    | 6—8    | 61·1     | 63·8      | 76·2   | 85·1   | 91·4 | 92·0  | 86·6  | 83·6    | 83·7       | 80·5     | 68·2      | 61·7      | 77·8  |
| Jacobabad . . .    | 8—10   | 57·5     | 61·4      | 73·9   | 83·0   | 91·6 | 96·1  | 93·9  | 90·7    | 87·8       | 78·1     | 65·3      | 58·3      | 78·1  |
| Hyderabad . . .    | 8—10   | 63·0     | 65·9      | 77·9   | 85·2   | 90·9 | 90·7  | 88·0  | 85·5    | 85·4       | 82·9     | 72·1      | 63·7      | 79·3  |
| Kurrachee . . .    | 11—12  | 65·0     | 67·9      | 76·1   | 80·0   | 85·3 | 86·8  | 84·1  | 82·0    | 81·9       | 79·7     | 72·4      | 67·2      | 77·4  |
| Bhuj . . .         | 8—11   | 66·4     | 69·5      | 78·3   | 83·3   | 86·9 | 86·2  | 82·7  | 81·2    | 81·5       | 82·1     | 73·9      | 67·3      | 78·3  |
| Rajkot . . .       | 7—10   | 66·2     | 69·6      | 78·0   | 83·7   | 88·2 | 86·2  | 81·4  | 80·6    | 80·1       | 80·4     | 72·8      | 67·2      | 77·9  |
| Deesa . . .        | 12     | 67·1     | 70·8      | 81·3   | 87·7   | 92·2 | 90·1  | 83·3  | 81·7    | 82·0       | 80·5     | 73·9      | 68·8      | 80·0  |
| Surat . . .        | 9—10   | 69·9     | 72·2      | 79·3   | 84·2   | 85·6 | 84·5  | 81·1  | 80·6    | 80·6       | 79·8     | 74·8      | 70·5      | 78·6  |
| Malegaon . . .     | 9—10   | 67·8     | 71·5      | 79·7   | 85·0   | 87·5 | 82·6  | 78·4  | 77·4    | 77·1       | 76·1     | 70·4      | 66·0      | 76·6  |
| Bombay . . .       | 40     | 73·8     | 75·2      | 79·0   | 82·4   | 84·9 | 83·2  | 80·9  | 80·1    | 80·0       | 81·0     | 79·0      | 75·9      | 79·6  |
| Poona . . .        | 11—12  | 71·8     | 76·3      | 82·8   | 85·7   | 84·8 | 79·1  | 75·3  | 75·1    | 75·1       | 77·7     | 75·3      | 71·5      | 77·5  |
| Sholapur . . .     | 9—10   | 71·5     | 76·8      | 83·4   | 88·1   | 88·7 | 81·5  | 78·4  | 77·9    | 77·1       | 76·9     | 73·5      | 70·2      | 78·7  |
| Ratnagiri . . .    | 10     | 74·6     | 75·0      | 78·6   | 81·7   | 83·6 | 80·5  | 78·5  | 78·0    | 77·9       | 78·7     | 77·3      | 75·3      | 78·3  |
| Belgaum . . .      | 11—12  | 71·6     | 75·8      | 79·8   | 80·8   | 79·6 | 73·5  | 70·8  | 70·4    | 70·8       | 73·9     | 73·0      | 71·2      | 74·3  |
| Karwar . . .       | 8—9    | 75·3     | 75·6      | 79·4   | 82·0   | 83·3 | 79·0  | 77·4  | 77·1    | 77·0       | 77·6     | 76·5      | 75·3      | 78·0  |
| Gopalpur . . .     | 4      | 68·6     | 73·4      | 78·3   | 80·4   | 82·5 | 83·4  | 81·9  | 82·5    | 82·5       | 80·9     | 73·9      | 68·4      | 78·1  |
| Vizagapatam . . .  | 17     | 75·7     | 78·8      | 83·2   | 86·2   | 87·8 | 87·6  | 85·2  | 85·3    | 84·8       | 83·8     | 79·2      | 75·2      | 82·7  |
| Rajahmundry . . .  | 3      | ?        | ?         | ?      | ?      | ?    | 86·6  | 82·3  | 83·1    | 83·1       | 80·9     | 77·6      | 74·8      | ?     |
| Masulipatam . . .  | 16—17  | 74·4     | 76·8      | 80·7   | 84·6   | 87·8 | 86·9  | 83·9  | 83·6    | 82·7       | 81·0     | 77·5      | 74·3      | 81·2  |
| Secunderabad . . . | 16—17  | 70·3     | 75·8      | 82·1   | 87·0   | 88·5 | 81·9  | 77·1  | 77·2    | 76·6       | 76·0     | 71·9      | 68·9      | 77·8  |
| Kurnool . . .      | 4—5    | 75·4     | 79·9      | 86·9   | 91·9   | 91·6 | 84·9  | 81·4  | 81·3    | 81·0       | 79·7     | 76·2      | 73·3      | 82·0  |

TABLE XI.—Average monthly mean temperatures of 132 stations in India, Ceylon, &amp;c.—concluded.

| STATIONS.            | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|----------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Bellary . . .        | 16—17  | 73°0     | 78°5      | 85°2   | 89°1   | 88°1 | 83°1  | 80°7  | 80°7    | 80°0       | 78°7     | 75°2      | 72°4      | 80°4  |
| Mangalore . . .      | 6—7    | 76°4     | 77°6      | 80°9   | 83°5   | 82°9 | 78°4  | 76°7  | 76°7    | 77°3       | 78°1     | 78°2      | 77°2      | 78°7  |
| Mercara . . .        | 6—7    | 64°3     | 67°5      | 70°4   | 71°8   | 70°3 | 65°6  | 64°0  | 64°4    | 64°6       | 66°0     | 65°4      | 64°3      | 66°6  |
| Bangalore . . .      | 16—17  | 67°3     | 71°8      | 76°7   | 80°0   | 78°5 | 74°1  | 72°2  | 72°2    | 72°2       | 71°9     | 69°7      | 67°3      | 72°8  |
| Cuddapah . . .       | 3      | P        | P         | P      | 92°9   | 92°9 | 88°5  | 85°6  | 85°2    | 84°8       | 81°6     | 77°1      | 75°1      | P     |
| Madras . . .         | 27     | 75°6     | 77°2      | 80°8   | 84°9   | 87°2 | 87°0  | 85°4  | 84°4    | 84°1       | 81°2     | 78°2      | 76°0      | 81°8  |
| Salem . . .          | 16—17  | 75°3     | 78°8      | 83°4   | 86°7   | 85°0 | 82°5  | 81°1  | 80°4    | 80°3       | 78°9     | 76°8      | 74°9      | 80°3  |
| Wellington . . .     | 13—15  | 55°2     | 58°2      | 62°6   | 65°2   | 65°6 | 63°4  | 62°6  | 62°4    | 62°0       | 60°7     | 58°3      | 55°8      | 61°0  |
| Coimbatore . . .     | 17     | 73°6     | 76°9      | 81°1   | 83°3   | 81°3 | 78°0  | 76°7  | 76°9    | 77°2       | 76°9     | 75°6      | 73°8      | 77°6  |
| Trichinopoly . . .   | 16—17  | 75°6     | 78°4      | 81°9   | 87°4   | 87°6 | 86°2  | 85°1  | 84°0    | 83°1       | 80°6     | 77°8      | 75°6      | 81°9  |
| Negapatam . . .      | 16—17  | 76°4     | 78°0      | 81°7   | 84°8   | 86°0 | 85°5  | 84°3  | 83°2    | 82°6       | 80°9     | 78°4      | 76°4      | 81°5  |
| Madura . . .         | 16—17  | 76°9     | 79°1      | 82°9   | 85°8   | 85°7 | 85°1  | 84°3  | 83°5    | 83°0       | 80°7     | 78°6      | 76°9      | 81°9  |
| Cochin . . .         | 15—16  | 78°7     | 80°1      | 82°6   | 83°9   | 82°0 | 78°4  | 77°3  | 77°7    | 78°2       | 78°8     | 79°4      | 78°9      | 79°7  |
| Colombo . . .        | 17—18  | 79°5     | 80°5      | 82°0   | 83°0   | 82°8 | 81°6  | 81°1  | 80°9    | 81°2       | 80°7     | 80°2      | 79°8      | 81°1  |
| Jaffna . . .         | 15     | 77°9     | 79°5      | 83°3   | 86°0   | 85°5 | 84°1  | 83°2  | 82°9    | 82°8       | 82°0     | 79°7      | 78°1      | 82°1  |
| Trincomalee . . .    | 14—17  | 78°4     | 79°9      | 82°1   | 84°6   | 85°3 | 84°9  | 84°9  | 84°4    | 83°6       | 81°7     | 79°4      | 78°4      | 82°3  |
| Batticaloa . . .     | 16—17  | 78°1     | 78°9      | 81°1   | 83°5   | 84°5 | 84°9  | 84°5  | 83°9    | 83°4       | 81°9     | 79°6      | 78°2      | 81°9  |
| Hambantota . . .     | 16—17  | 78°6     | 79°5      | 81°0   | 82°3   | 81°9 | 81°4  | 81°0  | 80°8    | 80°6       | 80°4     | 79°7      | 79°0      | 80°5  |
| Galle . . .          | 17—18  | 78°1     | 79°5      | 81°2   | 82°0   | 81°8 | 80°7  | 79°9  | 80°1    | 80°1       | 79°8     | 79°2      | 78°5      | 80°1  |
| Kandy . . .          | 16—17  | 74°2     | 76°1      | 78°6   | 79°1   | 78°9 | 76°5  | 75°7  | 75°8    | 76°0       | 75°9     | 75°5      | 74°6      | 76°4  |
| Newera Eliya . . .   | 15—17  | 57°4     | 57°3      | 59°0   | 60°0   | 61°2 | 59°3  | 58°4  | 58°8    | 58°7       | 59°0     | 58°7      | 57°9      | 58°8  |
| Akyab . . .          | 17—19  | 69°5     | 72°8      | 78°7   | 83°6   | 84°1 | 81°6  | 80°7  | 80°8    | 81°8       | 81°5     | 77°6      | 71°9      | 78°7  |
| Thayetmyo . . .      | 8—10   | 68°5     | 73°0      | 81°8   | 87°4   | 85°7 | 80°6  | 80°4  | 80°2    | 80°9       | 80°6     | 76°2      | 71°0      | 78°9  |
| Toungoo . . .        | 7—10   | 70°0     | 73°7      | 80°6   | 85°3   | 83°3 | 78°9  | 78°3  | 78°0    | 79°7       | 80°3     | 77°2      | 72°3      | 78°1  |
| Bassein . . .        | 9—10   | 71°6     | 74°9      | 79°8   | 82°8   | 82°3 | 78°8  | 78°1  | 78°1    | 78°3       | 78°8     | 77°5      | 73°7      | 77°9  |
| Diamond Island . . . | 7—9    | 75°3     | 76°7      | 79°3   | 82°2   | 82°5 | 79°4  | 78°4  | 78°6    | 78°7       | 79°8     | 78°8      | 76°9      | 78°9  |
| Rangoon . . .        | 10—11  | 75°0     | 77°2      | 81°2   | 84°0   | 82°4 | 78°9  | 77°9  | 77°8    | 78°5       | 80°0     | 78°2      | 75°7      | 78°9  |
| Moulmein . . .       | 10—11  | 75°2     | 77°3      | 81°3   | 83°1   | 81°6 | 77°9  | 76°9  | 77°1    | 77°8       | 80°0     | 78°3      | 75°5      | 78°5  |
| Mergui . . .         | 9—10   | 76°6     | 79°2      | 80°5   | 81°1   | 80°0 | 77°0  | 76°3  | 76°6    | 76°5       | 77°6     | 77°3      | 75°9      | 77°9  |
| Port Blair . . .     | '19    | 79°2     | 79°7      | 81°7   | 83°4   | 81°4 | 80°7  | 80°0  | 79°7    | 79°1       | 79°7     | 80°0      | 75°0      | 80°0  |
| Nancowry . . .       | 12—14  | 79°5     | 80°7      | 81°9   | 82°6   | 81°4 | 80°4  | 80°0  | 79°5    | 79°4       | 78°8     | 78°9      | 78°6      | 80°1  |



TABLE XII.—Comparison of monthly mean temperatures in 1886, with the averages of Table XI.

| STATIONS.                | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Aden . . . .             | +0.4     | -0.5      | +0.1   | +0.6   | -0.7 | P     | +2.7  | +0.5    | -0.8       | +0.4     | +0.6      | -0.7      | P     |
| Mauritius . . . .        | -0.3     | +0.4      | +0.7   | +0.4   | -1.2 | -0.1  | -0.8  | -0.9    | -0.8       | -1.0     | -2.0      | -1.5      | -0.6  |
| Bushire . . . .          | +0.2     | +2.1      | -0.6   | +0.7   | +0.5 | +1.9  | +0.6  | +0.5    | +1.1       | -1.4     | +0.2      | -0.6      | +0.4  |
| Amini Divi . . . .       | P        | P         | P      | P      | P    | +1.4  | 0     | -0.6    | -0.1       | +1.6     | +0.7      | P         | P     |
| Quetta . . . .           | -3.1     | -2.5      | -2.3   | +0.6   | +0.5 | +0.8  | +1.9  | +1.0    | +1.3       | 0        | +2.8      | -1.0      | 0     |
| Leh . . . .              | +2.8     | +1.2      | +1.0   | -2.4   | +1.1 | -1.8  | +0.9  | +1.7    | +2.2       | +3.8     | +3.2      | +3.7      | +1.5  |
| Mooltan . . . .          | +1.2     | -1.4      | -1.7   | +0.4   | +1.3 | -0.8  | +0.5  | +2.0    | +2.1       | +1.7     | +0.8      | +0.9      | +0.6  |
| Dera Ismail Khan . . . . | +1.0     | -1.7      | -0.5   | -0.2   | +1.1 | -0.1  | -0.2  | +1.8    | +3.0       | +2.4     | +2.7      | +2.3      | +1.0  |
| Peshawar . . . .         | -0.4     | -2.1      | -0.9   | -1.4   | +1.5 | +0.5  | +2.2  | +0.8    | +1.6       | +2.0     | +2.1      | +1.2      | +0.6  |
| Murree . . . .           | -0.5     | -4.2      | -3.5   | -1.3   | -0.2 | -0.7  | -1.3  | -0.7    | 0          | +0.8     | +2.0      | -1.6      | -0.9  |
| Rawalpindi . . . .       | +0.2     | -3.1      | -0.9   | -0.6   | -0.8 | -2.6  | P     | +0.2    | +1.6       | +1.7     | +1.7      | -0.1      | P     |
| Sialkot . . . .          | +0.8     | -1.6      | -1.0   | +1.1   | +1.3 | -1.3  | -1.3  | -0.7    | +2.4       | +1.3     | +1.6      | +1.7      | +0.4  |
| Lahore . . . .           | -0.1     | -2.7      | -2.1   | -0.1   | +0.3 | -1.6  | -2.0  | -0.2    | +3.1       | -0.4     | +1.5      | +2.0      | -0.2  |
| Ludhiana . . . .         | +1.6     | -1.1      | -1.0   | +1.1   | +0.7 | -0.7  | -0.1  | +0.1    | +3.0       | +0.4     | +1.8      | +2.1      | +0.7  |
| Chamba . . . .           | P        | P         | P      | P      | P    | P     | P     | P       | P          | +2.0     | +1.8      | +0.9      | P     |
| Kailang . . . .          | -0.7     | +1.8      | +0.9   | +0.4   | +0.6 | +0.9  | -0.6  | -0.5    | -0.1       | +3.5     | +6.3      | +4.8      | +1.4  |
| Simla . . . .            | -0.6     | -0.8      | -2.0   | -0.6   | -1.6 | -1.0  | -0.7  | -0.2    | +2.2       | +1.7     | +2.1      | +0.7      | -0.1  |
| Delhi . . . .            | +0.8     | -0.7      | -2.2   | +0.9   | -0.4 | -2.7  | -1.8  | -1.8    | +1.4       | 0        | +1.0      | +1.5      | -0.3  |
| Sirsa . . . .            | +0.2     | -1.1      | -1.2   | +0.8   | +1.2 | -1.8  | -1.3  | -0.6    | +3.4       | +0.6     | +1.8      | +1.9      | +0.3  |
| Chakrata . . . .         | -0.9     | -0.3      | -2.5   | +0.4   | -3.3 | -1.2  | -0.1  | -0.2    | +0.6       | +1.1     | -0.2      | +1.0      | -0.5  |
| Dehra . . . .            | -1.5     | -2.2      | -2.3   | -0.8   | -2.9 | -1.3  | -0.4  | -1.2    | -0.2       | 0        | +0.2      | +0.6      | -1.0  |
| Roorkee . . . .          | +0.1     | -2.3      | -0.7   | -0.2   | -2.4 | -1.4  | -0.2  | -0.6    | +0.7       | +0.7     | +1.0      | +1.0      | -0.4  |
| Ranikhet . . . .         | -0.9     | +0.1      | -3.9   | -0.4   | -3.5 | -1.9  | +0.5  | -1.0    | +0.6       | +0.8     | +1.0      | +1.4      | -0.6  |
| Pithoragarh . . . .      | +0.1     | +2.1      | -3.0   | -0.4   | -2.3 | +0.3  | +1.0  | +0.1    | +0.3       | +1.1     | +2.4      | +0.9      | +0.2  |
| Meerut . . . .           | +0.6     | -1.7      | -1.7   | 0      | -2.1 | -3.3  | -1.0  | -1.1    | +0.1       | +0.5     | +0.6      | +1.6      | -0.6  |
| Bareilly . . . .         | +0.2     | -1.9      | -0.7   | -1.4   | -2.3 | -1.9  | -0.6  | +0.1    | +0.2       | +1.0     | +1.9      | +1.8      | -0.3  |
| Agra . . . .             | +1.9     | -0.6      | +0.2   | +1.1   | -0.4 | -2.7  | -1.1  | -0.5    | +1.3       | +2.4     | +2.8      | +2.3      | -0.6  |
| Lucknow . . . .          | +0.4     | -1.6      | -0.8   | -1.2   | -2.4 | -2.3  | -2.0  | -1.1    | -0.6       | +0.1     | +1.1      | +1.6      | -0.7  |
| Gorakhpur . . . .        | -0.3     | -2.1      | +0.5   | -0.8   | -1.6 | +0.6  | -0.5  | +0.2    | -0.1       | -0.2     | +0.8      | +0.8      | -0.2  |
| Jhansi . . . .           | -0.2     | -2.3      | -0.7   | +0.1   | -0.4 | -1.7  | -1.2  | 0       | +1.1       | -1.4     | -0.1      | +0.5      | -0.5  |
| Allahabad . . . .        | -0.3     | -1.7      | -1.8   | -1.0   | -0.7 | -0.8  | -1.5  | -0.4    | -0.4       | +1.5     | +2.2      | +1.1      | -0.3  |
| Benares . . . .          | +0.6     | -0.7      | -0.4   | -0.7   | -0.9 | -0.8  | -2.0  | -0.7    | -1.0       | +1.5     | +2.0      | +1.5      | -0.1  |
| Ghazipur . . . .         | +1.7     | +2.4      | P      | -0.1   | 0    | +1.3  | -0.8  | +0.2    | -1.0       | +1.4     | +2.4      | +2.6      | P     |
| Katmandu . . . .         | +0.9     | +0.7      | -0.3   | -1.2   | -0.2 | +0.9  | +1.0  | -0.6    | +0.1       | +1.0     | +2.6      | +1.8      | +0.6  |
| Sibsagar . . . .         | +1.2     | +1.0      | +1.4   | +0.2   | +1.7 | +1.1  | -0.2  | -0.4    | -0.7       | +1.6     | -0.6      | +1.3      | +0.6  |

TABLE XII.—Comparison of monthly mean temperatures in 1886, with the averages of Table XI—continued.

| STATIONS.                    | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Dhubri . . . . .             | +0.2     | +0.6      | +0.5   | +0.2   | +0.5 | +0.6  | -0.4  | 0       | -0.1       | +1.7     | +0.5      | +0.8      | +0.4  |
| Tura . . . . .               | +0.5     | +0.6      | 0      | -1.6   | -0.1 | P     | -0.2  | -0.5    | +1.3       | +1.3     | +1.3      | +0.9      | P     |
| Silchar . . . . .            | +0.4     | -1.4      | -0.2   | -0.4   | +1.1 | +1.2  | -0.5  | -0.5    | -0.4       | +2.4     | +1.2      | +1.3      | +0.4  |
| Darjeeling . . . . .         | +0.4     | -0.5      | +1.3   | -0.3   | 0.1  | +1.0  | +0.2  | 0       | +0.4       | +0.7     | +0.6      | +0.3      | +0.3  |
| Mongpoo . . . . .            | -0.8     | -1.0      | +1.0   | -0.2   | -0.2 | +0.8  | -0.1  | -0.2    | -0.8       | +1.2     | -0.1      | +1.2      | +0.1  |
| Purneah . . . . .            | P        | P         | P      | P      | P    | P     | +0.3  | -0.6    | -2.0       | +1.8     | +0.6      | +1.4      | P     |
| Durbhunga . . . . .          | -0.1     | -0.6      | +0.8   | -0.1   | -0.5 | +1.4  | +0.3  | -0.5    | -1.3       | +1.2     | +1.5      | +2.3      | +0.4  |
| Patna . . . . .              | +0.4     | -0.9      | +0.2   | -0.2   | -1.3 | +1.4  | -0.9  | -0.7    | -1.6       | +1.4     | +2.4      | +2.3      | +0.2  |
| Gya . . . . .                | -1.0     | -1.8      | -3.0   | -1.3   | -2.2 | -0.5  | -1.6  | P       | P          | P        | P         | P         | P     |
| Hazaribagh . . . . .         | -0.7     | -0.9      | -0.8   | +0.6   | -1.6 | +0.1  | -0.4  | 0       | -1.2       | +0.6     | +1.1      | +0.9      | -0.2  |
| Berhampore . . . . .         | +0.2     | -1.4      | -0.8   | -1.3   | -2.5 | -0.4  | -1.0  | -0.6    | -1.2       | +0.9     | +0.8      | +1.4      | -0.5  |
| Burdwan . . . . .            | -0.3     | -1.5      | -1.8   | -0.5   | -1.3 | -0.3  | -0.9  | 0       | -1.3       | +1.5     | +0.8      | +1.2      | -0.4  |
| Jessore . . . . .            | +0.2     | -1.4      | -1.1   | +0.6   | -1.2 | +0.6  | +0.2  | -0.5    | -1.0       | +1.6     | +1.8      | +2.3      | +0.2  |
| Dacca . . . . .              | +0.7     | -1.3      | -1.3   | -0.3   | -0.6 | -0.1  | -0.6  | -1.0    | -0.4       | +1.7     | +1.4      | +1.9      | 0     |
| Chittagong . . . . .         | -0.3     | -1.7      | -1.3   | -1.0   | -0.5 | -0.4  | -0.1  | -0.9    | -0.3       | +1.1     | +0.5      | +0.3      | -0.4  |
| Calcutta (Alipore) . . . . . | 0        | -1.8      | -1.2   | +0.4   | +0.1 | +0.6  | -0.1  | +0.3    | -0.1       | +1.5     | +1.9      | +1.9      | +0.3  |
| Do. (Chowringhee) . . . . .  | -0.6     | -0.6      | -1.0   | +0.1   | +0.2 | +1.0  | 0     | +0.8    | 0          | +1.8     | +2.0      | +1.7      | +0.5  |
| Saugor Island . . . . .      | -0.2     | -2.1      | -0.8   | -0.2   | +0.3 | +0.1  | +0.6  | +0.3    | +0.2       | +1.3     | +1.6      | +1.6      | +0.2  |
| Cuttack . . . . .            | -0.7     | -1.3      | -1.0   | -0.2   | -1.5 | -1.7  | -0.2  | 0       | -0.6       | +0.3     | +1.7      | +0.3      | -0.4  |
| False Point . . . . .        | +2.5     | -1.5      | -0.5   | 0      | +0.3 | -0.3  | +0.1  | +0.8    | 0          | +1.6     | +2.3      | +1.5      | +0.6  |
| Sambalpur . . . . .          | -0.4     | -0.2      | -0.7   | -0.4   | -1.2 | -2.8  | +0.1  | +0.6    | -0.5       | +1.3     | +1.8      | +0.7      | -0.1  |
| Raipur . . . . .             | -0.8     | +0.6      | +0.1   | +0.9   | -1.3 | +0.4  | P     | +1.1    | +0.9       | +1.6     | +1.5      | +0.9      | P     |
| Nagpur . . . . .             | -1.5     | -0.2      | -1.2   | -0.1   | -0.5 | -2.0  | +0.8  | +0.7    | +3.0       | +1.2     | +2.4      | +0.7      | +0.3  |
| Seoni . . . . .              | -0.7     | -0.5      | -1.3   | -0.5   | +0.1 | -2.3  | +0.1  | +0.4    | +1.3       | +1.8     | +1.7      | -0.1      | 0     |
| Jubbulpore . . . . .         | -0.2     | -1.1      | -1.0   | -1.4   | -1.2 | -2.4  | -0.5  | +0.3    | +1.1       | +1.6     | +2.2      | +0.2      | -0.2  |
| Saugor . . . . .             | -0.2     | -2.4      | -1.1   | -0.4   | +2.2 | -0.1  | -0.3  | +0.5    | +1.3       | -0.2     | +0.3      | -0.1      | 0     |
| Pachmarhi . . . . .          | -0.9     | -1.0      | -1.0   | -0.8   | +0.9 | -1.3  | +0.2  | +0.2    | +1.6       | +2.0     | +2.5      | -0.1      | +0.2  |
| Hoshangabad . . . . .        | -0.8     | -2.4      | -0.8   | -1.7   | +1.0 | -2.6  | -0.6  | 0       | +1.5       | +1.2     | +1.2      | -1.9      | -0.5  |
| Khandwa . . . . .            | -0.6     | -0.5      | 0      | +0.1   | +1.1 | -2.8  | -0.2  | -0.3    | +1.7       | +1.4     | +2.1      | -0.2      | +0.2  |
| Chanda . . . . .             | -1.5     | -0.4      | -0.9   | -0.6   | -0.9 | -2.7  | -0.2  | +0.7    | +2.3       | +2.7     | +3.0      | +1.1      | +0.2  |
| Sironcha . . . . .           | -0.5     | -0.4      | -0.2   | +0.7   | +0.5 | -1.7  | -1.2  | -0.2    | +2.0       | +1.1     | +3.0      | P         | P     |
| Chikalda . . . . .           | -1.8     | +0.2      | -1.3   | +0.4   | +0.7 | -1.0  | -0.4  | +0.5    | +2.0       | +0.4     | +1.5      | +0.3      | +0.1  |
| Buldana . . . . .            | -1.6     | +0.7      | -0.5   | +1.4   | +1.4 | -1.5  | -0.2  | +0.2    | +2.6       | -0.1     | +1.9      | +0.2      | +0.4  |

TABLE XII.—Comparison of monthly mean temperatures in 1886, with the averages of Table XI—continued.

| STATIONS.            | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|----------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Akola . . . .        | -1.8     | -0.3      | -0.9   | -1.0   | +0.7 | -1.5  | -0.3  | +0.2    | +2.5       | +2.5     | +2.8      | +0.6      | +0.3  |
| Amraoti . . . .      | -1.2     | +0.3      | -0.5   | +0.5   | +1.4 | -1.8  | -0.4  | +0.3    | +1.9       | +1.6     | +2.1      | +0.8      | +0.4  |
| Makhla . . . .       | -1.6     | +0.1      | -1.8   | +0.3   | +0.8 | +0.1  | -0.2  | +0.3    | +2.1       | +1.1     | +2.3      | -0.3      | +0.3  |
| Neemuch . . . .      | +0.2     | -0.6      | -0.5   | +0.7   | +2.7 | -0.7  | -0.6  | -1.1    | +0.3       | +0.4     | +2.7      | +0.7      | +0.4  |
| Nowgong . . . .      | +0.7     | -1.9      | -1.0   | -1.8   | -1.9 | -2.8  | -1.6  | -0.7    | -0.1       | +0.3     | +1.6      | +1.7      | -0.6  |
| Sutna . . . .        | -0.4     | -1.1      | -1.7   | -1.2   | +0.2 | -0.9  | -1.0  | -0.4    | -0.7       | +1.5     | +2.3      | +1.8      | -0.1  |
| Indore . . . .       | -0.6     | -1.0      | -0.3   | -0.4   | +1.0 | -2.7  | -0.8  | -0.9    | +1.2       | +0.9     | +2.3      | +1.0      | 0     |
| Bickaneer . . . .    | +1.2     | -0.6      | -1.2   | +1.4   | +1.6 | -1.5  | -0.5  | +0.6    | +1.0       | +1.2     | +2.7      | +1.8      | +0.7  |
| Jeypore . . . .      | +0.4     | -0.2      | -0.9   | +0.8   | +1.8 | -1.4  | -1.4  | -0.3    | -0.3       | +2.9     | +2.2      | +1.5      | +0.4  |
| Sambhar . . . .      | 0        | -1.3      | -0.5   | -1.5   | -0.2 | +0.4  | +0.1  | -0.4    | +0.7       | +1.1     | +1.6      | -0.2      | 0     |
| Ajmere . . . .       | +0.4     | -0.1      | +0.8   | +1.9   | +2.7 | -0.4  | +0.3  | +0.4    | +1.0       | +4.4     | +2.3      | +1.5      | +1.3  |
| Mount Abu . . . .    | -1.3     | +0.1      | -1.9   | +2.0   | +2.0 | -0.6  | -0.8  | -1.4    | -0.6       | +2.3     | +2.7      | +0.9      | +0.3  |
| Pachpadra . . . .    | -0.2     | -1.2      | -1.1   | +1.3   | +3.9 | -0.1  | -0.2  | +0.2    | -0.4       | +3.6     | +3.8      | +0.6      | +0.9  |
| Jacobabad . . . .    | -0.1     | -2.6      | -2.0   | +2.1   | +3.7 | +1.8  | -0.1  | +1.5    | +0.9       | +0.6     | +2.3      | +1.3      | +0.8  |
| Hyderabad . . . .    | -1.4     | -1.0      | -1.8   | +1.2   | +2.7 | +1.0  | -0.3  | -0.6    | -1.5       | +1.8     | +1.4      | +0.5      | +0.2  |
| Kurrachee . . . .    | -0.1     | -0.5      | -1.2   | -0.2   | +2.0 | +1.2  | +0.4  | -0.5    | -1.2       | +2.6     | +1.8      | -0.1      | +0.4  |
| Bhuj . . . .         | -1.6     | -0.7      | -0.8   | +0.9   | +2.4 | +0.7  | -1.5  | -0.8    | -0.2       | +2.6     | +3.0      | +0.1      | +0.3  |
| Rajkot . . . .       | -0.8     | p         | p      | p      | +2.1 | -0.3  | -0.1  | +1.8    | +1.8       | +4.0     | +4.3      | -0.2      | p     |
| Deesa . . . .        | -0.4     | -0.1      | -0.6   | +1.1   | +2.9 | +0.4  | -0.9  | -1.1    | +0.1       | +3.2     | +3.2      | +0.2      | +0.7  |
| Surat . . . .        | -0.9     | +0.3      | -0.4   | -0.8   | +1.1 | +0.1  | -0.7  | -0.4    | +1.2       | +0.8     | +1.2      | 0         | +0.1  |
| Malegaon . . . .     | -1.2     | -0.1      | -1.5   | -0.6   | -0.3 | -2.4  | -1.1  | -1.1    | +0.7       | 0        | +1.3      | -0.6      | -0.6  |
| Bombay . . . .       | -0.5     | -1.6      | -0.1   | -0.7   | 0    | 0     | -0.3  | +0.4    | +0.6       | -0.6     | +0.5      | -0.4      | -0.2  |
| Poona . . . .        | -0.9     | +1.8      | -0.3   | +0.4   | +0.5 | +0.1  | +0.4  | +0.8    | +1.6       | 0        | +1.0      | -0.4      | +0.4  |
| Sholapur . . . .     | -0.7     | +0.1      | -0.3   | +0.6   | -0.7 | -0.6  | -0.7  | -1.0    | +1.8       | -0.4     | +0.7      | -0.4      | -0.1  |
| Ratnagiri . . . .    | -1.3     | -0.4      | +0.4   | -0.4   | +0.7 | -0.4  | -0.5  | -0.5    | +0.6       | -0.4     | -0.2      | 0         | -0.2  |
| Belgaum . . . .      | -1.0     | +0.9      | -0.4   | +0.9   | -1.2 | -0.1  | 0     | +0.1    | +1.5       | -1.3     | +0.1      | -0.9      | -0.1  |
| Karwar . . . .       | -1.1     | -0.1      | -0.2   | 0      | -0.2 | +0.4  | -1.3  | -0.7    | +0.4       | -0.7     | -0.6      | -0.2      | -0.4  |
| Gopalpur . . . .     | +1.2     | +0.5      | +0.5   | -0.1   | +0.6 | +0.7  | +0.2  | +0.6    | +0.6       | +0.5     | +2.3      | +2.3      | +0.8  |
| Vizagapatam . . . .  | -1.4     | -0.3      | +0.2   | -0.3   | -0.9 | -1.2  | -0.1  | -0.5    | +1.2       | -1.1     | +0.6      | -0.6      | -0.4  |
| Rajahmundry . . . .  | p        | p         | p      | p      | p    | -1.7  | -0.7  | -0.5    | +1.4       | -0.9     | +1.1      | -0.8      | p     |
| Masulipatam . . . .  | -1.5     | p         | p      | p      | -1.1 | -2.4  | -1.1  | -1.9    | +0.8       | -0.8     | +1.6      | -0.2      | p     |
| Secunderabad . . . . | -0.9     | -0.1      | -0.1   | +0.9   | -1.5 | -1.6  | -0.7  | -0.4    | +2.7       | +1.0     | +1.4      | -0.3      | 0     |
| Kurnool . . . .      | -1.4     | -0.9      | -0.3   | +0.5   | -0.6 | -0.6  | -0.2  | -1.1    | +1.6       | +0.2     | +1.7      | -0.3      | -0.1  |

TABLE XII.—Comparison of monthly mean temperatures in 1886, with the averages of Table XI—concluded.

| STATIONS.              | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Bellary . . . .        | —0.3     | —0.9      | —0.2   | +0.8   | +0.1 | —0.9  | 0     | —1.0    | +1.3       | —0.1     | +1.1      | —1.0      | —0.1  |
| Mangalore . . . .      | +0.3     | +0.6      | +0.9   | +1.0   | +0.1 | +0.7  | —0.6  | —0.6    | —0.1       | —0.3     | —0.5      | —0.3      | +0.1  |
| Mercara . . . .        | +0.9     | +1.2      | +1.7   | +1.4   | —0.2 | +0.5  | +0.5  | —0.3    | +0.8       | —0.8     | —0.3      | —0.3      | +0.4  |
| Bangalore . . . .      | +0.5     | —0.2      | —0.2   | +0.1   | —1.3 | —0.6  | —0.3  | —0.5    | +0.5       | 0        | —0.1      | —0.6      | —0.2  |
| Cuddapah . . . .       | p        | p         | p      | +1.3   | —1.5 | —0.7  | —0.8  | —1.7    | —0.5       | —0.4     | +1.8      | —0.2      | p     |
| Madras . . . .         | —1.1     | —0.6      | —0.4   | —1.2   | —1.5 | —3.3  | —2.3  | —2.1    | —0.1       | —0.4     | —0.4      | —0.7      | —1.2  |
| Salem . . . .          | —0.5     | —0.9      | —0.2   | +0.7   | —1.6 | —0.6  | —0.8  | —1.6    | —0.6       | —0.3     | —0.4      | —0.5      | —0.6  |
| Wellington . . . .     | +1.1     | +1.0      | +0.7   | +1.3   | —0.3 | +0.3  | 0     | —0.3    | +0.3       | +0.4     | +0.2      | +0.4      | +0.4  |
| Coimbatore . . . .     | +0.1     | +0.4      | +0.4   | +0.6   | —1.6 | 0     | —0.4  | —0.8    | +0.1       | +0.2     | —0.2      | +0.4      | —0.1  |
| Trichinopoly . . . .   | +0.2     | +0.3      | +1.5   | +1.3   | —1.7 | —0.1  | —1.5  | —1.7    | —0.1       | +2.4     | +0.6      | +0.2      | +0.2  |
| Negapatam . . . .      | —0.3     | +0.1      | +0.3   | +0.1   | —0.3 | —0.7  | —0.8  | —1.3    | —0.1       | +1.0     | +0.8      | +0.3      | —0.1  |
| Madura . . . .         | —0.7     | 0         | +1.3   | +1.7   | —0.7 | —0.2  | —2.0  | —1.7    | —1.1       | +0.7     | +0.1      | —0.1      | —0.2  |
| Cochin . . . .         | +1.3     | +0.5      | +1.2   | +1.1   | +0.1 | +1.1  | —0.2  | —0.8    | +0.2       | 0        | 0         | —0.4      | +0.3  |
| Colombo . . . .        | +0.3     | +0.5      | +1.0   | —0.6   | —0.1 | +0.5  | —0.2  | —1.0    | —0.7       | +0.1     | 0         | —0.9      | —0.1  |
| Jaffna . . . .         | +0.1     | —0.1      | +0.7   | +1.2   | +0.7 | +0.3  | +0.3  | —0.9    | +0.3       | +0.8     | —0.2      | —1.0      | +0.2  |
| Trincomalee . . . .    | +0.7     | +1.0      | +2.0   | +1.3   | +1.4 | +1.6  | +0.1  | —0.9    | +0.6       | +2.9     | +1.0      | +0.1      | +1.0  |
| Batticaloa . . . .     | +0.7     | +0.1      | +0.7   | +0.3   | +0.2 | —1.1  | —0.7  | —1.1    | —0.7       | +0.7     | —0.1      | —1.6      | —0.2  |
| Hambantota . . . .     | —1.0     | —1.6      | p      | —1.7   | p    | p     | p     | p       | p          | p        | p         | —1.2      | p     |
| Galle . . . .          | +0.3     | +0.4      | +1.1   | —0.4   | —0.5 | +0.7  | —0.6  | —0.6    | —0.6       | —0.2     | —0.2      | —0.8      | —0.1  |
| Kandy . . . .          | +1.4     | —0.5      | —0.3   | —0.2   | —0.5 | +0.5  | p     | —0.8    | +0.2       | —0.2     | +0.3      | —0.4      | p     |
| Newera Eliya . . . .   | +1.0     | +0.1      | +1.4   | —0.1   | +0.2 | +0.5  | 0     | —0.7    | —1.3       | —0.2     | —0.4      | —2.0      | —0.1  |
| Akyab . . . .          | +0.5     | —0.5      | +0.8   | +0.2   | +1.4 | +0.6  | +0.7  | +0.1    | +1.0       | +2.0     | +0.9      | +0.6      | +0.7  |
| Thayetmyo . . . .      | 0        | 0         | +0.5   | +0.1   | +0.7 | —0.1  | —0.2  | —0.9    | +0.3       | +0.8     | —1.6      | —1.4      | —0.2  |
| Toungoo . . . .        | —0.7     | —0.7      | +1.7   | +1.5   | 0    | +0.6  | —0.1  | +0.2    | +0.4       | +0.3     | —1.5      | —1.3      | 0     |
| Bassein . . . .        | +0.3     | —0.5      | +0.2   | +0.3   | —0.6 | —0.1  | 0     | +0.2    | +0.2       | +0.2     | —1.0      | —0.5      | —0.1  |
| Diamond Island . . . . | —0.5     | —1.1      | —0.9   | —1.1   | p    | —1.3  | —0.9  | —0.4    | —0.4       | —0.4     | —1.5      | —1.4      | p     |
| Rangoon . . . .        | —0.5     | —0.7      | +0.2   | +0.9   | —0.7 | 0     | +0.6  | +0.3    | +0.6       | +0.6     | —0.5      | —1.9      | —0.1  |
| Moulmein . . . .       | —0.9     | +0.5      | +0.6   | +1.2   | —0.5 | —0.1  | +0.5  | +0.4    | +1.0       | +0.5     | —0.7      | —2.4      | 0     |
| Mergui . . . .         | —1.1     | +0.5      | +0.6   | +0.9   | —1.5 | —0.3  | +0.7  | +0.2    | —0.2       | —1.1     | —1.2      | —3.6      | —0.5  |
| Port Blair . . . .     | +0.7     | +0.5      | +1.0   | +1.1   | +0.6 | —0.5  | —0.3  | +0.3    | +0.9       | —0.2     | —0.7      | +3.6      | +0.6  |
| Nancowry . . . .       | +0.3     | +0.3      | +0.6   | +0.9   | 0    | +0.1  | +0.4  | +0.7    | —0.2       | +0.2     | —0.7      | —0.7      | +0.2  |

TABLE XIII.—Geographical Summary of the differences of Table XII.

| PROVINCES.                                  | STATIONS. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|---------------------------------------------|-----------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| North-Western Himalaya .                    | 7-8       | -0.1     | 0         | -1.9   | -0.6   | -1.3 | -0.8  | 0     | -0.1    | +0.8       | +1.8     | +2.3      | +1.5      | +0.1  |
| Sikkim Himalaya and Nepal.                  | 3         | +0.2     | -0.3      | +0.7   | -0.6   | -0.2 | +0.9  | +0.4  | -0.3    | -0.1       | +1.0     | +1.0      | +1.1      | +0.3  |
| Punjab Plains . . .                         | 8-9       | +0.6     | -1.7      | -1.3   | +0.2   | +0.7 | -1.2  | -0.5  | +0.2    | +2.4       | +1.1     | +1.7      | +1.5      | +0.3  |
| Gangetic Plains . . .                       | 11-13     | +0.3     | -1.2      | -0.6   | -0.5   | -1.5 | -0.8  | -0.8  | -0.5    | -0.5       | +1.0     | +1.5      | +1.7      | -0.2  |
| Western Rajputana, Sind, Cutch and Guzerat. | 8-9       | -0.5     | -0.8      | -1.3   | +1.2   | +2.6 | +0.3  | -0.4  | 0       | 0          | +2.4     | +2.8      | +0.6      | +0.6  |
| Eastern Rajputana and Central India.        | 9         | 0        | -1.2      | -0.7   | -0.2   | +0.9 | -1.1  | -0.7  | -0.3    | +0.5       | +1.2     | +1.7      | +1.0      | +0.1  |
| Nerbudda Valley . . .                       | 3         | -0.5     | -1.3      | -0.6   | -1.0   | +0.3 | -2.6  | -0.4  | 0       | +1.4       | +1.4     | +1.8      | -0.6      | -0.2  |
| South Behar and Chutia Nagpur.              | 1-2       | -0.9     | -1.4      | -1.9   | -0.4   | -1.9 | -0.2  | -1.0  | 0       | -1.2       | +0.6     | +1.1      | +0.9      | -0.5  |
| Lower Bengal . . .                          | 7         | 0        | -1.4      | -1.1   | -0.2   | -0.7 | +0.2  | -0.1  | -0.1    | -0.5       | +1.5     | +1.5      | +1.7      | +0.1  |
| Assam and Cachar . . .                      | 4         | +0.6     | +0.2      | +0.4   | -0.4   | +0.8 | +0.7  | -0.3  | -0.3    | 0          | +1.8     | +0.6      | +1.1      | +0.4  |
| Orissa and Sambalpur . . .                  | 4         | +0.6     | -0.6      | -0.4   | -0.2   | -0.5 | -1.0  | +0.1  | +0.5    | -0.1       | +0.9     | +2.0      | +1.2      | +0.2  |
| Central Provinces South, and Berar.         | 10-11     | -1.3     | -0.1      | -0.9   | +0.1   | +0.3 | -1.4  | -0.2  | +0.4    | +2.0       | +1.4     | +2.2      | +0.4      | +0.3  |
| Konkan . . . . .                            | 4         | -1.0     | -0.5      | -0.1   | -0.5   | +0.4 | 0     | -0.7  | -0.3    | +0.7       | -0.2     | +0.2      | -0.2      | -0.2  |
| Malabar Coast . . . . .                     | 2         | +0.8     | +0.6      | +1.1   | +1.1   | +0.1 | +0.9  | -0.4  | -0.7    | +0.1       | -0.2     | -0.3      | -0.4      | +0.2  |
| Deccan, Hyderabad and Mysore.               | 9         | -0.6     | +0.2      | -0.2   | +0.6   | -0.6 | -0.7  | -0.2  | -0.5    | +1.4       | -0.2     | +0.8      | -0.5      | 0     |
| East Coast and Carnatic . . .               | 7-10      | -0.7     | -0.1      | +0.4   | +0.5   | -1.2 | -1.1  | -1.1  | -1.4    | +0.2       | 0        | +0.6      | -0.2      | -0.3  |
| Ceylon . . . . .                            | 5-7       | +0.4     | 0         | +0.9   | 0      | +0.2 | +0.4  | -0.2  | -0.9    | -0.2       | +0.7     | +0.1      | -0.8      | +0.1  |
| Arakan and Pegu . . . . .                   | 6-7       | -0.2     | -0.7      | +0.2   | +0.1   | +0.1 | -0.1  | 0     | -0.2    | +0.3       | +0.7     | -0.7      | -0.8      | -0.1  |
| Tenasserim . . . . .                        | 2         | -1.0     | +0.5      | +0.6   | +1.1   | -1.0 | -0.2  | +0.6  | +0.3    | +0.4       | -0.3     | -1.0      | -3.0      | -0.3  |
| Bay Islands . . . . .                       | 2         | +0.5     | +0.4      | +0.8   | +1.0   | +0.3 | -0.2  | +0.1  | +0.5    | +0.4       | 0        | -0.7      | +1.5      | +0.4  |

*January.*—The mean temperature of the month of January differed very little from the average. This was almost entirely due to the fact that the variations were compensatory, alternations of warm and cool weather succeeding each other, and slightly higher temperature in Southern India accompanying diminished temperature in Northern India. The snowfall reports that were received during the early part of the year indicate that the snowfall in the hill districts of Afghanistan, bordering on the Indus, was heavier than usual, and the snow line was below its normal height at the end of the month. To the east and north-east of the Punjab the snowfall of January appears not to have been excessive, and the month was open and mild in Lahoul and Kulu. The total amount of the snowfall in those districts was considerably less than the fall in January 1885.

The more important cool periods which accompanied, and followed snowfall and stormy weather in the hills and in Upper India, were the 4th and 5th, the 14th, the 18th, 19th, 20th and 21st, the 23rd and 24th, and the 30th and 31st. The third of these periods, *viz.*, from the 18th to the 21st, was the period of most widely spread stormy weather and of most extensive snowfall, more especially in Afghanistan.

*February.*—February was an unusually dry month over the whole of Northern India. There were two periods during the month when the skies clouded over in Northern India, and light showers fell in Upper India. The first began on the 30th of January and lasted

until the 2nd of February, and the second from the 15th to the 17th of the month. A large amount of snow fell during these two stormy periods in the hills to the west, north, and east of the Punjab. A very rapid fall of the barometer preceded the snow-storms of the first period, and this was followed by an equally rapid rise, and by the passage of a cold wave from west to east across Northern India. The lowest temperatures of the cold weather, and of the year over the whole of India, were observed during the week after the storm.

The transmission of the cold wave is shown very completely by the following statement.

The lowest temperature of the year at each of the following stations was observed on the 2nd at—

|                     |       |                     |       |
|---------------------|-------|---------------------|-------|
| Jacobabad . . . . . | 32·4° | Malegaon . . . . .  | 38·4° |
| Hyderabad . . . . . | 42·9° | Mount Abu . . . . . | 41·3° |
| Bhuj . . . . .      | 43·9° | Pachpadra . . . . . | 30·0° |
| Rajkot . . . . .    | 41·3° | Poona . . . . .     | 45·0° |
| Deesa . . . . .     | 40·3° |                     |       |

on the 3rd at the following stations:—

|                     |       |                            |       |
|---------------------|-------|----------------------------|-------|
| Kurrachee . . . . . | 45·1° | Dera Ismail Khan . . . . . | 29·0° |
| Murree . . . . .    | 16·7° | Rawalpindi . . . . .       | 30·9° |
| Simla . . . . .     | 25·8° | Akola . . . . .            | 40·2° |
| Chakrata . . . . .  | 24·6° | Indore . . . . .           | 36·2° |

on the 4th at—

|                    |       |                    |       |
|--------------------|-------|--------------------|-------|
| Leh . . . . .      | —1·5° | Agra . . . . .     | 37·9° |
| Kailang . . . . .  | —5·4° | Khandwa . . . . .  | 38·1° |
| Sialkot . . . . .  | 32·9° | Chikalda . . . . . | 45·7° |
| Lahore . . . . .   | 35·0° | Buldana . . . . .  | 49·1° |
| Ludhiana . . . . . | 34·9° | Neemuch . . . . .  | 31·2° |
| Sirsa . . . . .    | 32·7° | Sutna . . . . .    | 36·6° |
| Delhi . . . . .    | 39·2° | Sambhar . . . . .  | 34·4° |
| Roorkee . . . . .  | 36·4° | Ajmere . . . . .   | 33·2° |
| Bareilly . . . . . | 37·6° |                    |       |

on the 5th at—

|                      |       |                       |       |
|----------------------|-------|-----------------------|-------|
| Gorakhpur . . . . .  | 41·0° | Burdwan . . . . .     | 44·2° |
| Lucknow . . . . .    | 41·3° | Darjeeling . . . . .  | 27·6° |
| Benares . . . . .    | 41·4° | Tura . . . . .        | 43·5° |
| Katmandu . . . . .   | 27·5° | Nagpur . . . . .      | 44·2° |
| Durbhunga . . . . .  | 43·4° | Jubbulpore . . . . .  | 37·7° |
| Patna . . . . .      | 41·3° | Pachmarhi . . . . .   | 35·6° |
| Hazaribagh . . . . . | 40·4° | Hoshangabad . . . . . | 40·9° |

on the 6th at—

|                      |       |                         |       |
|----------------------|-------|-------------------------|-------|
| Calcutta . . . . .   | 46·7° | Sibsagar . . . . .      | 40·2° |
| Jessore . . . . .    | 43·4° | Silchar . . . . .       | 43·5° |
| Dacca . . . . .      | 46·9° | Saugor Island . . . . . | 48·6° |
| Chittagong . . . . . | 46·4° | False Point . . . . .   | 51·6° |
| Dhubri . . . . .     | 45·3° | Sambalpur . . . . .     | 47·7° |

on the 7th at—

|                 |       |                     |       |
|-----------------|-------|---------------------|-------|
| Akyab . . . . . | 52·6° | Thayetmyo . . . . . | 46·1° |
|-----------------|-------|---------------------|-------|

The preceding shows clearly the transmission of what is most easily described as a wave of cold. The greatest cold of the year was experienced on the 2nd in Sind and Guzerat, on the 3rd in the Punjab hill districts, the North Punjab, and Central India, on the 4th in the South Punjab, North-Western Provinces, Rajputana, and Central Prov-

inces as far east as Agra and Sutna. On the 5th, the cold wave had passed east as far as Darjeeling, Hazaribagh, and Burdwan, and gave the lowest temperatures of the year; on the 6th it had advanced to the eastern districts of Bengal and Assam, and on the 7th into Arakan and North Burma. Although these cold waves are of occasional occurrence during the cold weather in Northern India, their conditions have not yet been fully investigated. The following are a few of the chief features of the present one:—

- (a) It followed the occurrence of a deep depression and a cold weather storm with heavy rain or snowfall in Upper India and the adjoining hill districts, and accompanied the passage of a wave or state of high pressure across the continent from west to east.
- (b) It commenced along the north-west frontier of India in Sind and the Indus valley, and hence in the neighbourhood of the area of heaviest snowfall, and advanced much more rapidly (at an average rate of about 300 miles per diem) than the surface winds, but at a rate not greater probably than the winds at a moderate elevation above the earth's surface (*vis.*, 12 miles per hour) across the whole extent of Northern India.
- (c) It accompanied or produced great dryness of the air during its passage. The following table gives a few examples:—

| STATIONS.            | HUMIDITY AT 10 A. M. |                    |                                                                  |
|----------------------|----------------------|--------------------|------------------------------------------------------------------|
|                      | Average for January. | 31st January 1886. | Lowest humidity during the period 4th to 7th February, and date. |
| Rajkot . . . . .     | 31                   | 51                 | 17 on the 4th.                                                   |
| Simla . . . . .      | 54                   | 61                 | 46 „ 5th.                                                        |
| Lahore . . . . .     | 62                   | 91                 | 55 „ 4th.                                                        |
| Roorkee . . . . .    | 66                   | 81                 | 63 „ 4th.                                                        |
| Agra . . . . .       | 56                   | 46                 | 26 „ 5th.                                                        |
| Sutna . . . . .      | 46                   | 37                 | 20 „ 4th.                                                        |
| Nagpur . . . . .     | 46                   | 48                 | 20 „ 6th.                                                        |
| Burdwan . . . . .    | 57                   | 41                 | 21 „ 4th.                                                        |
| Calcutta . . . . .   | 66                   | 59                 | 27 „ 5th.                                                        |
| Dacca . . . . .      | 64                   | 53                 | 29 „ 5th.                                                        |
| Sambalpore . . . . . | 58                   | 51                 | 29 „ 5th.                                                        |
| Jubbulpore . . . . . | 55                   | 41                 | 25 „ 6th.                                                        |
| Chittagong . . . . . | 70                   | 66                 | 40 „ 5th.                                                        |
| Akyab . . . . .      | 69                   | 70                 | 43 „ 6th.                                                        |
| Thayetmyo . . . . .  | 63                   | 58                 | 47 „ 7th.                                                        |

The greatest dryness as measured by the humidity at 10 A.M. occurred in the majority of cases on the day before or after the night of the minimum temperature, as might have been expected.

- (d) It accompanied the prevalence of moderately strong westerly and north-westerly winds down the Gangetic plain and their extension across Chutia Nagpur into Bengal and Orissa, and the displacement of the feeble and moderately damp local sea winds which prevailed in South Bengal at the commencement of February. Exactly similar changes, but even more marked in amount, followed heavy snowfall in the hills to the north of Sikkim and Assam in January 1887, with the single exception that the actions and effects commenced in North Bengal and Assam and travelled southwards.

The only explanation appears to be that after stormy weather and snowfall in the hills a body of cool dry air descends from the hills and modifies the weather to a very marked extent

for some days afterwards in the adjacent plain districts. The descending air is excessively dry, and hence favours rapid radiation at night and produces very cool nights. Also the stormy weather gives rise to two opposite effects in the hills and the plain districts during its prevalence. The snow covering given to the hills during the stormy weather reduces the temperature of the air to, or slightly below,  $32^{\circ}$  at and above a comparatively low level, whilst the indraught to the area of low pressure and disturbance in the adjacent plains accompanies the extension of damp sea winds westwards over the plains of Northern India, and hence gives rise to temperature considerably in excess of that normal to the season. Hence the air descending from the hills after the storm has ceased, although warmed by the action of descent, arrives over the plains cooler than the damp air which it displaces. These intervals characterized by low day as well as night temperature, great dryness, and clearness of the atmosphere form the pleasantest periods of the cold weather, more especially in Bengal. The very great change in the temperature relations between the hill and plains during and after the stormy periods is very marked, and is sufficiently shown by the following data for the storm which preceded the cold wave period of February 1886:—

| Difference of level<br>in feet. | Stations.          | 10 A. M. temperature on the days stated.                        |
|---------------------------------|--------------------|-----------------------------------------------------------------|
| 4,690                           | Murree . . . .     | $43^{\circ}3'$ on the 30th Jan.; $29^{\circ}7'$ on the 3rd Feb. |
|                                 | Rawalpindi . . . . | $49^{\circ}6'$ " " $42^{\circ}6'$ " " "                         |
| 6,200                           | Simla . . . .      | $44^{\circ}5'$ " " $30^{\circ}6'$ " " "                         |
|                                 | Ludhiana . . . .   | $57^{\circ}7'$ " " $50^{\circ}7'$ " " "                         |
| 6,165                           | Chakrata . . . .   | $48^{\circ}3'$ " " $32^{\circ}0'$ " 4th "                       |
|                                 | Roorkee . . . .    | $54^{\circ}3'$ " " $47^{\circ}7'$ " " "                         |
| 7,300                           | Darjeeling . . . . | $45^{\circ}9'$ " 3rd Feb. $37^{\circ}4'$ " 5th "                |
|                                 | Dhubri . . . .     | $70^{\circ}9'$ " " $58^{\circ}5'$ " " "                         |
|                                 | Calcutta . . . .   | $71^{\circ}0'$ " " $63^{\circ}0'$ " " "                         |

The above is a brief statement of the more important effects of some, if not all, of the larger cold weather storms of Upper India. The problem of their generation, their more important features, and more striking after-effects on the meteorology of Northern India, are of great interest, and I hope to deal with them in a paper for the Meteorological Memoirs.

The mean temperature of the month was, chiefly in consequence of the unusually cold period during the early part of the month, considerably below the average in the Punjab, North-Western Provinces, Behar, Bengal, Central India, Rajputana and the northern districts of the Central Provinces. The deficiency was greatest in the Punjab, where it averaged  $1^{\circ}7'$ . It was  $1^{\circ}3'$  in the Gangetic plain and Bengal and  $1^{\circ}$  in Rajputana and Sind. It was actually greatest at Murree, where it was  $4^{\circ}2'$ , Rawalpindi ( $3^{\circ}1'$ ), Lahore ( $2^{\circ}7'$ ), and Jacobabad ( $2^{\circ}6'$ ). The deficiency diminished in amount slowly eastwards and more rapidly southwards. The deficient temperature in Northern India was accompanied in Southern India by the opposite anomaly of excessive temperature. This inverse relation between the temperature anomalies of Northern India and Southern India, or of tropical



and extra-tropical India, appears to be the usual relation, as is shown by the following comparison of the past five years, except when there is a very large deficiency in the temperature of Northern India, in which case the same feature usually extends to Southern India :—

| YEAR. |                        | January. | February. | March. | November. | December. |
|-------|------------------------|----------|-----------|--------|-----------|-----------|
| 1886  | Northern India . . . . | —0·1°    | —0·9°     | —0·8°  | +1·7°     | +1·8°     |
|       | Southern India . . . . | —0·2°    | +0·1°     | +0·5°  | —0·1°     | —0·3°     |
| 1885  | Northern India . . . . | +0·3°    | —2·7°     | +0·2°  | +0·9°     | —0·1°     |
|       | Southern India . . . . | —0·1°    | —0·5°     | —0·4°  | +0·2°     | +0·3°     |
| 1884  | Northern India . . . . | +0·2°    | —0·9°     | +0·9°  | —0·8°     | —0·9°     |
|       | Southern India . . . . | —1·7°    | —1·6°     | —0·5°  | —1·1°     | —1·2°     |
| 1883  | Northern India . . . . | +0·1°    | —1·5°     | —1·0°  | —1·7°     | —2·9°     |
|       | Southern India . . . . | —0·4°    | —0·3°     | —0·5°  | —1·4°     | —1·9°     |
| 1882  | Northern India . . . . | +2·0°    | —0·9°     | +1·7°  | —0·5°     | +1·9°     |
|       | Southern India . . . . | +0·3°    | 0         | +0·4°  | —0·3°     | —0·5°     |

The excess in Southern India was comparatively small, and did not exceed  $\frac{1}{2}^{\circ}$  at the great majority of stations.

*March.*—The variations of temperature from the normal were slightly greater in March than in February. The mean temperature of the month was generally below the average for the Punjab, Rajputana, North-Western Provinces, Bengal, Central Provinces, Central India, the Berars, North Deccan, and Sind, or over the whole of Northern and Central India. The deficiency was most marked at the hill stations, more especially at Ranikhet, for which it was  $3\cdot9^{\circ}$ , and Murree where it was  $3\cdot5^{\circ}$ . The average deficiency of temperature was  $1\cdot9^{\circ}$  at the hill stations of Upper India, and in South Behar and Chutia Nagpur,  $1\cdot3^{\circ}$  in the Punjab and Sind,  $1\cdot1^{\circ}$  in Lower Bengal, and less than  $1^{\circ}$  in the North-Western Provinces, Central Provinces, Central India, and North Deccan. From the snowfall reports received it would appear that the snowfall in the North-West Himalayas during the first half of March was either below the average or normal in amount. During the last fortnight the weather was very rough, with much snow. This seems to have been the chief cause in reducing the temperature of the month below the mean in Upper India and at the hill stations. The local low temperature in Behar was mainly due to unusually heavy rainfall in that area on the 9th and 10th, which cooled the air for some time afterwards.

Temperature was slightly above the normal in Southern India. The excess in Ceylon averaged  $0\cdot9^{\circ}$ , in the Bay Islands  $0\cdot8^{\circ}$ , and on the Malabar Coast  $1\cdot1^{\circ}$ . This is another illustration of the opposition between the smaller temperature variations in Northern and Southern India.

*April.*—The meteorological conditions were approximately normal during the month of April. Temperature increased slightly more rapidly than usual in Northern and Central India, and the local variations for the month were the same in general character, but less in amount than during March. The mean temperature of the month was slightly below the average in the Gangetic plain, the Nerbudda valley, Behar, Bengal, Orissa, and Chutia Nagpur. The defect nowhere exceeded  $1\frac{1}{2}^{\circ}$  and averaged  $\frac{1}{2}^{\circ}$  for Northern and

Central India. Temperature was in excess in Sind, Rajputana, and the whole of Western and Southern India. The variations in those districts were also generally small and were largest at Jacobabad ( $2^{\circ}$ ), Mount Abu ( $2^{\circ}$ ), Ajmere ( $1.9^{\circ}$ ), and Madura ( $1.7^{\circ}$ ). The variations were much more irregular in Northern than in Southern India.

The hottest portion of India during the first three weeks of the month was the Central Provinces, Berars, Behar, and the eastern districts of the North-West Provinces and, during the latter portion of the month, Central India, Rajputana, and Sind.

The following table gives the highest maximum temperatures of the month at all stations where it exceeded  $110^{\circ}$ , and the dates on which they were registered:—

| STATIONS.             | Maximum temperature. | Date.       |
|-----------------------|----------------------|-------------|
| Pachpadra . . . . .   | $114.0^{\circ}$      | 26th        |
| Hyderabad . . . . .   | $118.1^{\circ}$      | 26th        |
| Jacobabad . . . . .   | $114.4^{\circ}$      | 27th        |
| Khandwa . . . . .     | $112.2^{\circ}$      | 27th        |
| Akola . . . . .       | $112.1^{\circ}$      | 27th        |
| Amraoti . . . . .     | $111.4^{\circ}$      | 26th & 27th |
| Sironcha . . . . .    | $111.1^{\circ}$      | 20th        |
| Nagpur . . . . .      | $110.7^{\circ}$      | 26th        |
| Nowgong . . . . .     | $110.7^{\circ}$      | 25th & 28th |
| Jeypore . . . . .     | $110.7^{\circ}$      | 27th        |
| Hoshangabad . . . . . | $112.4^{\circ}$      | 27th        |
| Sambalpur . . . . .   | $110.3^{\circ}$      | 25th        |
| Chanda . . . . .      | $112.8^{\circ}$      | 25th        |
| Ludhiana . . . . .    | $113.4^{\circ}$      | 29th        |
| Sialkot . . . . .     | $110.5^{\circ}$      | 28th        |
| Delhi . . . . .       | $112.0^{\circ}$      | 28th        |
| Sirsa . . . . .       | $112.1^{\circ}$      | 27th        |
| Agra . . . . .        | $112.8^{\circ}$      | 28th        |
| Gorakhpur . . . . .   | $111.4^{\circ}$      | 22nd        |
| Jhansi . . . . .      | $111.0^{\circ}$      | 22nd        |
| Allahabad . . . . .   | $111.1^{\circ}$      | 24th        |
| Benares . . . . .     | $111.6^{\circ}$      | 23rd        |
| Gya . . . . .         | $111.0^{\circ}$      | 24th        |
| Deesa . . . . .       | $111.5^{\circ}$      | 25th        |

*May.*—The temperature variations of the month of May were considerably greater than those of the preceding months of the year. This was due to the occurrence of a much larger number of thunderstorms and duststorms in Bengal and the Gangetic plain, and the fall of a larger amount of rain than is usual in May. The mean temperature was below the average over nearly the whole of Northern India, and also in the

Deccan and Carnatic. The deficiency was greatest in South Behar and Chutia Nagpur, for which it was  $1.9^{\circ}$ . It exceeded  $1^{\circ}$  in the Gangetic plain ( $1.5^{\circ}$ ), in the hills of the North-Western Provinces ( $1.3^{\circ}$ ), and on the Carnatic Coast ( $1.2^{\circ}$ ), and averaged  $0.6^{\circ}$  in Bengal and the Deccan. The mean temperature of the month was slightly above the average in the Punjab, East Rajputana, Assam, and Western India. The only area in which there was a marked excess of temperature included Sind, West Rajputana, Cutch, and Guzerat. In that area the mean daily temperature was  $2.6^{\circ}$  above the normal. The excess was greatest at Pachpadra ( $3.9^{\circ}$ ), Jacobabad ( $3.7^{\circ}$ ), and Deesa ( $2.9^{\circ}$ ).

Temperature increased in the Central Provinces, the Deccan, and Central India until the 11th, 12th, 13th, or 14th of the month, when the highest temperatures of the year in those districts were registered. The following gives the more important maximum temperatures of the year at stations in those districts, with the dates on which they were registered :—

| STATIONS.          | Maximum temperature of the year. | Date on which it was registered. |
|--------------------|----------------------------------|----------------------------------|
| Nagpur . . . . .   | $114.2^{\circ}$                  | 13th.                            |
| Chanda . . . . .   | $113.7^{\circ}$                  | 11th.                            |
| Sironcha . . . . . | $113.3^{\circ}$                  | 11th.                            |
| Akola . . . . .    | $113.5^{\circ}$                  | 14th.                            |
| Sholapur . . . . . | $111.0^{\circ}$                  | 13th.                            |
| Kurnool . . . . .  | $111.5^{\circ}$                  | 13th.                            |

Temperature increased in the North-Western Provinces, Rajputana, Sind, Cutch, and Guzerat for another fortnight, and reached its maximum on the 25th, when the highest temperatures of the year were generally recorded in those districts. The following table gives the maximum temperature of the year at the more important stations in that area :—

| STATIONS.                 | Maximum temperature of the year. | Date of occurrence. |
|---------------------------|----------------------------------|---------------------|
| Pachpadra . . . . .       | $123.1^{\circ}$                  | May 25th.           |
| Jacobabad . . . . .       | $122.2^{\circ}$                  | "                   |
| Hyderabad . . . . .       | $121.0^{\circ}$                  | "                   |
| Deesa . . . . .           | $118.6^{\circ}$                  | 26th                |
| Bhuj and Rajkot . . . . . | $117.7^{\circ}$                  | "                   |
| Bickaneer . . . . .       | $117.2^{\circ}$                  | 25th                |
| Sirsa . . . . .           | $117.0^{\circ}$                  | "                   |
| Jeypore . . . . .         | $115.8^{\circ}$                  | "                   |
| Agra . . . . .            | $115.6^{\circ}$                  | "                   |
| Sambhar . . . . .         | $114.5^{\circ}$                  | 26th.               |
| Ajmere . . . . .          | $114.0^{\circ}$                  | 25th.               |

The first four stations in the list were those at which the absolutely highest temperature of the year were recorded, and the absolute maximum temperatures at each of these

stations were registered on the 25th or 26th of May and are those given in the list. These temperatures, it may be remarked, are not quite as high as have been observed in recent years. The highest temperatures recorded in India for each of the past twelve years are given below:—

| Year. | STATIONS.                  | Maximum temperature. | Month. |
|-------|----------------------------|----------------------|--------|
| 1875  | Dera Ismail Khan . . . . . | 125°0'               | June.  |
|       | Sialkot . . . . .          |                      |        |
| 1876  | Sialkot . . . . .          | 120°0'               | June.  |
| 1877  | Jacobabad . . . . .        | 118°9'               | June.  |
| 1878  | Agra . . . . .             | 120°3'               | June.  |
| 1879  | Jacobabad . . . . .        | 120°7'               | June.  |
| 1880  | Lahore . . . . .           | 119°5'               | June.  |
| 1881  | Pachpadra . . . . .        | 122°3'               | May.   |
| 1882  | Pachpadra . . . . .        | 119°5'               | May.   |
| 1883  | Dera Ismail Khan . . . . . | 121°5'               | June.  |
| 1884  | Jacobabad . . . . .        | 120°8'               | June.  |
| 1885  | Jacobabad . . . . .        | 116°9'               | July.  |
| 1886  | Pachpadra . . . . .        | 123°1'               | May.   |

This statement shows that the shade temperature registered at Pachpadra on the 25th May 1886 (123°1') is the highest that has been recorded since 1875, and that the highest shade temperature recorded in India since the establishment of the imperial system is 125° at Dera Ismail Khan and Sialkot in June 1875.

*June.*—The rains were somewhat later than usual in commencing on the Bengal and Bombay coasts. They were fully established on each between the 14th to the 18th, and extended with unusual quickness over the whole country. They produced a very rapid fall of temperature. The highest temperatures of the year in the Punjab were registered in Northern India just before the commencement of the first general burst of the monsoon on the 12th and 13th of the month. The following were the maximum temperatures of the year registered in the Punjab:—

| STATIONS.                  | Maximum temperature. | Date.      |
|----------------------------|----------------------|------------|
| Sialkot . . . . .          | 117°9'               | 13th June. |
| Dera Ismail Khan . . . . . | 117°5'               | Ditto.     |
| Ludhiana . . . . .         | 116°3'               | 12th June. |
| Lahore . . . . .           | 115°9'               | Ditto.     |
| Peshawar . . . . .         | 112°0'               | Ditto.     |

The mean temperature of the month was considerably below the average in Northern and Central India. The deficiency averaged 2°6' in the Nerbudda valley, 1°4' in the

Central Provinces, and slightly exceeded  $1^{\circ}$  in the Punjab, Central India and East Rajputana, Orissa, and the Carnatic. The variations of all other districts were small, and were negative except in Ceylon, the Malabar Coast, Sind, and Assam, where there was a slight excess of temperature. The variations were mainly dependent upon the occurrence of rainfall. Amongst the largest were the following :—

| STATIONS.           | Variation between actual mean and normal mean temperature of the month. |
|---------------------|-------------------------------------------------------------------------|
| Madras . . . . .    | $-3.3^{\circ}$                                                          |
| Meerut . . . . .    | $-3.3^{\circ}$                                                          |
| Sambalpur . . . . . | $-2.8^{\circ}$                                                          |
| Khandwa . . . . .   | $-2.8^{\circ}$                                                          |
| Nowgong . . . . .   | $-2.8^{\circ}$                                                          |
| Delhi . . . . .     | $-2.7^{\circ}$                                                          |
| Indore . . . . .    | $-2.7^{\circ}$                                                          |
| Agra . . . . .      | $-2.7^{\circ}$                                                          |
| Chanda . . . . .    | $-2.7^{\circ}$                                                          |

*July.*—The temperature of this as of the preceding month was generally somewhat below the average. It was in defect except in Sikkim, Orissa, Arakan, and Pegu, where the temperature was practically normal. The deficiency averaged  $1.1^{\circ}$  at the west coast stations of the Bay and  $1.0^{\circ}$  in Behar and Chutia Nagpur. The mean temperature of the whole of India for the month was  $0.4^{\circ}$  below the average. The largest variations were the following :—

| STATIONS.         | Variation between actual mean and normal mean temperature of the month. |
|-------------------|-------------------------------------------------------------------------|
| Madras . . . . .  | $-2.3^{\circ}$                                                          |
| Lahore . . . . .  | $-2.0^{\circ}$                                                          |
| Lucknow . . . . . | $-2.0^{\circ}$                                                          |
| Benares . . . . . | $-2.0^{\circ}$                                                          |
| Madura . . . . .  | $-2.0^{\circ}$                                                          |

*August.*—The temperature variations for the month of August were generally similar to those of the preceding month, but smaller in amount. The mean temperature of the month was slightly in excess in the Punjab, Orissa, Central Provinces, Tenasserim, and the Bay Islands. The increased temperature accompanied very deficient rainfall in the case of the Punjab and the Central Provinces, and the excess was greatest at Mooltan ( $2.0^{\circ}$ ) and Dera Ismail Khan ( $1.8^{\circ}$ ). Temperature was below the average in almost all other districts. The variations were very small except at the Coromandal coast stations, where the mean temperature of the month was from  $1.5^{\circ}$  to  $2.1^{\circ}$  below the average.

*September.*—The rains practically ceased at the commencement of the month in the Punjab, and in the second week of the month in the North-Western Provinces, and were abnormally light in the Central Provinces and Central India. They had been below the average during the month of August. Hence temperature increased rapidly over the larger portion of Northern and Central India, and the mean temperature of the month was above the average in the Punjab ( $2.4^{\circ}$ ), the Central Provinces ( $2.0^{\circ}$ ), the Nerbudda valley, the Deccan, and Mysore ( $1.4^{\circ}$ ) and in the North-West Himalayas ( $0.8^{\circ}$ ). At the following stations the mean temperature of the month was  $3^{\circ}$  or upwards above the normal temperature of the month:—

| STATIONS.                  | Difference between actual mean and normal mean temperature of the month. |
|----------------------------|--------------------------------------------------------------------------|
| Sirsa . . . . .            | $+3.4^{\circ}$                                                           |
| Lahore . . . . .           | $+3.1^{\circ}$                                                           |
| Dera Ismail Khan . . . . . | $+3.0^{\circ}$                                                           |
| Ludhiana . . . . .         | $+3.0^{\circ}$                                                           |
| Nagpur . . . . .           | $+3.0^{\circ}$                                                           |

Temperature was in defect in Bengal and Behar. The deficiency was most marked in Behar, and Chutia Nagpur, which area received excessive rain during the month. The defect at Purneah amounted to  $2^{\circ}$ , at Patna to  $1.6^{\circ}$ , at Burdwan and Durbhangā to  $1.3^{\circ}$ , and at Berhampore and Hazaribagh to  $1.2^{\circ}$ .

*October.*—The month of October was characterized by clear dry weather over the whole of Upper and Central India, by unusual tranquillity and absence of stormy weather in the Bay, and by moderately heavy rain in the Madras coast districts and in South Behar and Chutia Nagpur. The temperature hence rose above the average over nearly the whole of India, and the mean of the month for all India was  $1^{\circ}$  above the normal. The excess averaged  $2.4^{\circ}$  in West Rajputana and Sind,  $1.8^{\circ}$  in Assam and the North-West Himalayas,  $1.5^{\circ}$  in Bengal,  $1.4^{\circ}$  in the Central Provinces,  $1.2^{\circ}$  in Central India and Rajputana, and  $1^{\circ}$  in the Punjab and North-Western Provinces. The temperature was less than  $1^{\circ}$  above the normal in all other districts, except the Malabar Coast, the Deccan, Konkan, and Tenasserim, where it was normal. At the following stations the mean temperature of the month was more than  $3^{\circ}$  above the normal temperature of the month:—

| STATIONS.           | Difference between actual mean and normal mean temperature of the month. |
|---------------------|--------------------------------------------------------------------------|
| Ajmere . . . . .    | $+4.4^{\circ}$                                                           |
| Leh . . . . .       | $+3.8^{\circ}$                                                           |
| Kailang . . . . .   | $+3.5^{\circ}$                                                           |
| Pachpadra . . . . . | $+3.6^{\circ}$                                                           |
| Rajkot . . . . .    | $+4.0^{\circ}$                                                           |
| Deesa . . . . .     | $+3.2^{\circ}$                                                           |

*November.*—The early cessation of the rains in Upper and Central India continued to influence the temperature of India to a marked extent. Temperature was throughout the whole month very considerably above the average, and the mean temperature of the whole of India for the month was  $1.2^{\circ}$  in excess of the normal mean. Two cyclonic storms which formed near the Andamans, and advanced W. N. W. across the Bay into Southern India, modified the temperature conditions in the area they passed over or influenced, and the mean temperature of the month was hence very slightly below the average in the Bay Islands, Tenasserim, Arakan, Pegu, and the Coromandel and Malabar Coast districts. It was in excess in all other parts of India. The excess was greatest in Western Rajputana, Sind, and Guzerat, where it averaged  $2.8^{\circ}$ . It was  $2.3^{\circ}$  in the North-West Himalayas,  $2.2^{\circ}$  in the Central Provinces,  $2^{\circ}$  in Orissa,  $1.8^{\circ}$  in the Nerbudda valley,  $1.7^{\circ}$  in the Punjab and Central India,  $1.5^{\circ}$  in the North-Western Provinces and Bengal,  $1^{\circ}$  in the Deccan, and  $0.6^{\circ}$  in Assam. The greatest positive variations occurred at the following stations, which hence define the areas of greatest excess of temperature and of most abnormal temperature conditions during the month:—

| STATIONS. |   |   |   |   |   |   |   |   |   |   | Difference between actual mean and normal mean temperature of the month. |
|-----------|---|---|---|---|---|---|---|---|---|---|--------------------------------------------------------------------------|
| Kailang   | . | . | . | . | . | . | . | . | . | . | $+6.3^{\circ}$                                                           |
| Rajkot    | . | . | . | . | . | . | . | . | . | . | $+4.3^{\circ}$                                                           |
| Pachpadra | . | . | . | . | . | . | . | . | . | . | $+3.8^{\circ}$                                                           |
| Deesa     | . | . | . | . | . | . | . | . | . | . | $+3.2^{\circ}$                                                           |
| Leh       | . | . | . | . | . | . | . | . | . | . | $+3.2^{\circ}$                                                           |
| Chanda    | . | . | . | . | . | . | . | . | . | . | $+3.0^{\circ}$                                                           |
| Sironcha  | . | . | . | . | . | . | . | . | . | . | $+3.0^{\circ}$                                                           |
| Bhuj      | . | . | . | . | . | . | . | . | . | . | $+3.0^{\circ}$                                                           |

*December.*—No large change of meteorological conditions occurred during the month. A small cyclone formed in the south-east of the Bay and advanced to the Madras coast, but its influence was very small. Hence the general characteristics of the meteorology of the period remain unchanged, and the average temperature of the month was considerably above the average over the whole of Northern and Central India, whilst it was slightly below it in the Deccan and Southern India. The variations were smaller than those of November, but the abnormal features of the temperature in Northern and Central India continued unaltered until the month of January 1887, when a series of cold weather storms, most influential and vigorous in North-Eastern India, reversed these abnormal features. The mean temperature of the month of December was  $1.7^{\circ}$  above the normal in Bengal, Behar, and the North-Western Provinces,  $1.5^{\circ}$  above it in the Punjab,  $1.2^{\circ}$  in Orissa,  $1.1^{\circ}$  in Assam and Sikkim,  $1^{\circ}$  in Central India, and  $0.5^{\circ}$  in the Central Provinces. The largest positive variations were those of Kailang ( $4.8^{\circ}$ ) and Leh ( $3.7^{\circ}$ ), and hence show that, as in the preceding month, the temperature variations were most excessive in the hill districts to the east of the Punjab.

The year 1886 was marked by smaller variations from the normal temperature than is frequently the case, and in this respect it contrasts with the preceding year 1885. During

the cold weather months of January, February, and March, the snowfall on the Himalayas was probably not greater than the average amount, and was considerably less than that of 1885. There was a well marked wave of cold transmitted from west to east during the first week of February, and it is by no means certain, although it is very probable, that it was associated directly with heavy snowfall in the hills to the west of the Punjab. The mean temperature of February was below the average over the whole of Northern India. There were unusually heavy falls of snow both in Afghanistan, Ladakh, and Tibet in March, but they influenced temperature on the whole less than the snowfall that occasioned the abnormal cold period in February.

There were no very marked features in the temperature of April and May. During the first three months of the rains, the temperature was slightly in defect. The early termination of the rains in Upper and Central India in the first and second week of September respectively, and quite a fortnight before the usual period, was followed by a very marked increase of temperature, which lasted until the end of the year. The excess of temperature increased in amount until the end of November, when the abnormal dryness of the air in Upper India began to cause a reduction of temperature below the average.

The temperature of India was in defect in February, March, June, July, and August by amounts averaging from  $0.3^{\circ}$  in August to  $0.6^{\circ}$  in February, and was normal in January, April, and May. It was in excess from September to the end of the year, the excess increasing from  $0.5^{\circ}$  in September to  $1.2^{\circ}$  in November and falling to  $0.5^{\circ}$  in December. The variations were almost completely compensating, and the mean temperature was in excess by a very small amount, less than one-tenth of a degree, and was hence practically normal.

The mean anomaly of each month as deduced from the temperature observations taken at all the Indian and Burmese stations enumerated in the foregoing tables, 119 to 126 in number in each month, was as follows:—

|                          | January.       | February.      | March.         | April.         | May.           | June.          | July.          | August.        | September.     | October.       | November.      | December.      | Year.           |
|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|
| Number of stations . . . | 123            | 121            | 119            | 122            | 122            | 125            | 123            | 125            | 125            | 125            | 126            | 125            | 125             |
| Means . . . . .          | $-0.1^{\circ}$ | $-0.6^{\circ}$ | $-0.5^{\circ}$ | $+0.1^{\circ}$ | $-0.1^{\circ}$ | $-0.5^{\circ}$ | $-0.4^{\circ}$ | $-0.3^{\circ}$ | $+0.5^{\circ}$ | $+1.0^{\circ}$ | $+1.2^{\circ}$ | $+0.5^{\circ}$ | $+0.08^{\circ}$ |

The mean anomaly of the year was  $+0.08^{\circ}$ , and is in the opposite direction to the anomalies of the previous five years.

The progressive variation of the mean annual temperature during the last 12 years is shown in the following table:—

|                           | 1875.   | 1876.   | 1877.   | 1878.   | 1879.   | 1880.   | 1881.   | 1882.   | 1883.   | 1884.   | 1885.   | 1886.   |
|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Number of stations . . .  | 72      | 72      | 74      | 74      | 70      | 106     | 110     | 113     | 122     | 122     | 118     | 122     |
| Mean anomaly . . . .      | $-0.29$ | $-0.08$ | $+0.17$ | $+0.62$ | $-0.13$ | $+0.13$ | $-0.01$ | $-0.11$ | $-0.48$ | $-0.61$ | $-0.29$ | $+0.08$ |
| Progressive variation . . | ...     | $+0.21$ | $+0.25$ | $+0.45$ | $-0.75$ | $+0.26$ | $-0.14$ | $-0.10$ | $-0.37$ | $-0.13$ | $+0.32$ | $+0.37$ |



## ATMOSPHERIC PRESSURE.

With the exceptions noted in the footnote<sup>1</sup> below, all the barometers, the registers of which are here given, are mercurial barometers on Fortin's principle; and, excepting those in Ceylon and some in Madras,<sup>2</sup> all have been carefully compared, either directly or indirectly, with the Calcutta standard. Those in Bombay, at Bickaneer, and Mount Abu in Rajputana, and Neemuch and Indore in Central India, and in Berar, have been compared by Mr. F. Chambers with the Bombay standard, which, according to a lengthened comparison with two verified barometers sent from Calcutta, reads  $\cdot 012$  inch lower than the old Calcutta standard. All the registers (except those of some of the Madras stations, which exceptions do not include those enumerated in the footnote below), have been corrected to the readings of the latter instrument. The Ceylon barometers have been verified at Colombo, by comparison with a standard tested by Messrs. Negretti and Zambra, who compare with the standard at Kew. A correction of  $+ \cdot 011$  inch has been applied to their registers, therefore, to bring them up to the values of the Calcutta standard.

Those of Madras, with the exceptions above noted, are corrected to the Madras observatory standard.

With a view to rendering the barometric data, published in previous reports, as far as possible trustworthy and comparable with those now and henceforth to be registered,

<sup>1</sup> Casella's observatory barometers on the Kew principle (*i.e.*, with a contracted scale to compensate changes of level in the cistern), were in use at the following stations:—

|            |                       |                      |               |
|------------|-----------------------|----------------------|---------------|
| Aden.      | Gya.                  | Ratnagiri (from 31st | Mercara.      |
| Bushire.   | Chittagong.           | March).              | Negapatam.    |
| Mooltan.   | Hoshangabad.          | Bhuj (from 19th Au-  | Akyab.        |
| Ludhiana.  | Seoni.                | gust.)               | Bassein.      |
| Sialkot.   | Saugor.               | Gopalpur.            | Toungoo.      |
| Lucknow.   | Nowgong.              | Rajahmundry.         | Thayetmyo.    |
| Gorakhpur. | Sambhar.              | Cuddapah.            | Cocos Island. |
| Jhansi.    | Pachpadra (up to 17th | Mangalore.           |               |
|            | April).               |                      |               |

At Bombay, Calcutta, Madras, and Rangoon, large Newman's standards, with adjustable scales and tubes of more than  $0\cdot 5''$  diameter.

Casella's small observatory standards on Fortin's principle, with tubes of  $0\cdot 4$  inch in diameter, were in use at the following stations:—

|                   |             |                     |                               |
|-------------------|-------------|---------------------|-------------------------------|
| Chamba (from 16th | Agra.       | Berhampore.         | Kurrachee.                    |
| November).        | Allahabad.  | Burdwan.            | Ratnagiri (up to 10th March). |
| Dera Ismail Khan. | Benares.    | Jessore.            | Musulipatam.                  |
| Peshawar.         | Sibsagar.   | Dacca.              | Bellary (from 1st Septem-     |
| Murree.           | Tezpur.     | Saugor Island.      | ber).                         |
| Rawalpindi (up to | Dhubri.     | Cuttack.            | Moulmein.                     |
| 16th April).      | Silchar.    | False Point.        | Diamond Island.               |
| Rawalpindi (from  | Darjeeling. | Nagpur.             | Mergui.                       |
| 12th September).  | Pedong.     | Buldana.            | Port Blair.                   |
| Lahore.           | Purneah.    | Sutna.              | Nancowry (up to 3rd Feb-      |
| Delhi.            | Durbhunga.  | Ajmere.             | ruary).                       |
| Meerut.           | Patna.      | Jacobabad (from 4th |                               |
| Bareilly.         | Hazaribagh. | May).               |                               |

At stations in the Central Provinces, Central India, Rajputana, and Bombay, other than those named above, portable mountain barometers on Fortin's principle, with tubes of about  $0\cdot 25$  inch diameter, are used.

<sup>2</sup> The instruments at the following Madras stations have been compared, either directly or indirectly, with the Calcutta standard, and their readings are corrected to the latter:—

Vizagapatam, Mangalore, Bangalore, Mercara, Rajahmundry, Cuddapah, Bellary, Madura, Masulipatam, Negapatam, and Gopalpur.

I here give a list, repeated (with additions) from last year's report, of all those known or believed to be erroneous, together with the needful corrections, where these have been ascertained. The following are certainly erroneous and must be rejected:—

Mooltan, 1875 and 1876.  
 Dera Ismail Khan, June 1885.  
 Simla, from January 1876 to February 1877, and untrustworthy up to the end of April 1880.  
 Rawalpindi, all up to the end of 1881 untrustworthy.  
 Chakrata, January to August 1875, and very doubtful up to the end of 1876.  
 Jhansi, January to April 1875.  
 Benares, February 1876.  
 Sambalpur, 1876.  
 Saugor, Central Provinces, all published up to December 1879; also January, March, May, July, and September 1880, and February and April 1881.  
 Chanda, from January 1875 to June 1876.  
 Buldana, 1876.  
 Amraoti, 1875.  
 Chikalda, from November 1879 to August 1881.  
 Bickaneer, up to the end of 1879.  
 Mount Abu, January 1878, and from April to December 1882.  
 Pachpadra, all published up to 1881 inclusive.  
 Trincomalee, 1877.  
 Moulmein, 1878 and 1879, and from May 1885 to the end of the same year.  
 Toungeoo, all from 1882 to present date.<sup>1</sup>

And the following corrections are to be made to the tables published in previous reports:—

|                                                                                              |   |   |   |   |   |   |        |
|----------------------------------------------------------------------------------------------|---|---|---|---|---|---|--------|
| Quetta, from 27th March 1881 to end of same year                                             | . | . | . | . | . | . | -0'005 |
| Mooltan, from January 1877 to ditto                                                          | . | . | . | . | . | . | -0'010 |
| Peshawar, from 14th September 1884 to ditto                                                  | . | . | . | . | . | . | +0'018 |
| Murree, from January 1876 to December 1877                                                   | . | . | . | . | . | . | +0'029 |
| Sialkot, from April 1876 to ditto                                                            | . | . | . | . | . | . | -0'009 |
| Ludhiana, from January 1875 to ditto                                                         | . | . | . | . | . | . | +0'019 |
| Chamba, from 5th December 1884 to end of 1885                                                | . | . | . | . | . | . | +0'038 |
| Simla, from 14th October 1880 to end of 1881                                                 | . | . | . | . | . | . | -0'005 |
| Delhi, from January 1875 to December 1877                                                    | . | . | . | . | . | . | +0'012 |
| Ranikhet, from ditto to end of same year                                                     | . | . | . | . | . | . | +0'013 |
| Meerut, from ditto to ditto                                                                  | . | . | . | . | . | . | +0'021 |
| Bareilly, from ditto to November 1875                                                        | . | . | . | . | . | . | -0'021 |
| Agra, from January to December 1885                                                          | . | . | . | . | . | . | +0'014 |
| Gorakhpur, from May 1875 to end of same year                                                 | . | . | . | . | . | . | -0'011 |
| Ditto, from October 1877 to December 1879                                                    | . | . | . | . | . | . | +0'016 |
| Jhansi, from May 1875 to end of same year                                                    | . | . | . | . | . | . | -0'042 |
| Sambalpur, from July to December 1882                                                        | . | . | . | . | . | . | +0'029 |
| Raipur, from 22nd October to end of 1881                                                     | . | . | . | . | . | . | -0'005 |
| Pachmarhi, from 16th July 1880 to December 1881                                              | . | . | . | . | . | . | -0'005 |
| Hoshangabad, from June to December 1880                                                      | . | . | . | . | . | . | +0'022 |
| Ditto, from January 1881 to March 1882                                                       | . | . | . | . | . | . | -0'012 |
| Ditto, from June to December 1882                                                            | . | . | . | . | . | . | +0'003 |
| Sutna, from 30th March 1881 to end of same year                                              | . | . | . | . | . | . | -0'005 |
| Ajmere, from January 1875 to end of same year                                                | . | . | . | . | . | . | -0'031 |
| Deesa, from the 10th April to the end of 1877, and from the 16th May 1879 to 14th April 1880 | . | . | . | . | . | . | -0'050 |

<sup>1</sup> A correction may perhaps be determined hereafter.

|                                                                                                       |        |
|-------------------------------------------------------------------------------------------------------|--------|
| Malegaon, from June 1879 to April 1881 . . . . .                                                      | +0.017 |
| Ditto, from May 1881 to July 1882 . . . . .                                                           | —0.023 |
| Ditto, from August 1882 to October 1884 . . . . .                                                     | —0.011 |
| Ditto, from August 1885 to end of same year . . . . .                                                 | +0.012 |
| Masulipatam, from August 1877 to July 1878 . . . . .                                                  | +0.182 |
| Ditto, August 1878 . . . . .                                                                          | +0.067 |
| Ditto, November and December 1879 . . . . .                                                           | —0.060 |
| Mercara, from 1st April 1880 to December 1884 . . . . .                                               | +0.027 |
| Bangalore, from January 1875 to ditto . . . . .                                                       | +0.031 |
| Cuddapah, from 11th April 1884 to ditto . . . . .                                                     | +0.118 |
| Thayetmyo, from 24th January to 14th October 1881 . . . . .                                           | —0.005 |
| Bassein, a correction increasing from 0 in January 1877 to a maximum in<br>December 1879 of . . . . . | +0.006 |
| Rangoon, a correction increasing from 0 in January 1876 to a maximum in<br>December 1879 of . . . . . | +0.007 |
| Moulmein, from January 1876 to March 1877 . . . . .                                                   | —0.048 |
| Mergui, from the beginning of the registers in September 1877 to December<br>1879 . . . . .           | +0.021 |

In addition to the above, it is to be noticed that there are inconsistencies in the registers of former years at the following station, which remain to be explained:—

Newera Eliya, from July 1873 to January 1879, with those before and after.

In all cases, except those of Dehra and Bickaneer, the barometers are kept in a masonry building, to protect them as much as possible from changes of temperature. At these two stations alone, they are suspended in the thermometer sheds. The elevations of all barometers have been ascertained with such accuracy as was possible. In the large majority of cases, they have been referred to datum levels determined by the Great Trigonometrical Survey of India; in Northern India, for the most part, by lines of spirit levels connected with the main line of levels between Kurrachee and Calcutta. Elsewhere, the elevations of the Great Trigonometrical Survey stations measured trigonometrically, or those of the lines of railway, have been adopted as reference data; only those of Kailang, Pachpadra and Pithoragarh have been barometrically determined. For some further details, the reader is referred to Table I.

Table VII (Appendix) gives an abstract of the barometric observations of 1886, *viz.*, the monthly means of the readings at each hour of observation and of the day, the monthly mean diurnal range (between 10 A.M. and 4 P.M.), the highest and lowest readings of each month and of the year, and the extreme monthly and annual ranges. The mean pressures have been obtained in the following manner:—

- (a) At Calcutta (Alipore), the means of the hourly measurements of the barograph traces, reduced to the corresponding values of the old Calcutta standard.
- (b) At Bombay (Colaba) and at Leh, the means of the four readings, at the same hours as furnish the data for temperature means, with additive corrections, deduced from the hourly readings at the same observatories in past years.
- (c) At Lahore, Chamba, Jeypore, Allahabad, Saugor Island, and Vizagapatam, the means of the four readings at 4h., 10h., 16h., and 22h., without further corrections.
- (d) At stations in the North-Western Provinces (excepting Allahabad and Ghazipur), Ajmere and Sambhar, Akyab, and stations in Bengal and Assam (except Darjeeling, Pedong, Calcutta (Alipore), Saugor Island, and Dhubri), the means of the 10h. and 16h. observa-

tions corrected by range factors, derived from the six-hourly readings at the same or neighbouring stations in past years. In the latter cases, the factors are taken from the same stations as in the case of the temperature means (see *ante*, page 32).

- (e) At the four Bombay stations, Belgaum, Poona, Deesa and Kurrachee, the means of the 10h. and 16h. observations, with additive corrections, derived from the hourly observations of the same stations in past years.
- (f) At the stations in Madras, including Bangalore and Secunderabad (but excepting Gopalpore, Vizagapatam, Mercara, Kurnool, Rajahmundry, Cuddapah, and Mangalore), the means of the three readings at 10h., 16h. and 22h., corrected by means of range factors, derived from the Madras hourly observations in past years. At Madura, Coimbatore and Masulipatam the means of the 10h. and 16h. observations only, similarly corrected.
- (g) At all other stations the crude means of the 10h. and 16h. observations without correction.

In the case of the Ceylon stations, the observations at  $9\frac{1}{2}$  and  $15\frac{1}{2}$  hours are given in lieu of those at 10 A.M. and 4 P.M.

Table VIII (Appendix) gives the mean pressure of each month, reduced to its sea-level value, from the elevations given in Table I (*ante*), at the temperatures obtained by taking the means of those in Tables V and VII of the Appendix. The readings of the hill stations are not included in this table. The isobars on the charts, plates II to IV, are laid down from these values.

Table XIV, on the next page, gives the average monthly and annual pressure at 125 stations, *viz.*, all that have furnished trustworthy readings, corrected to the Calcutta, Madras, or Ceylon standards, during three years and upwards. In instances in which, during the period included, there has been any change in the elevation of the barometer, a correction has been applied to the former means, to bring all to their equivalent values at their present actual levels. These cases are not numerous, nor, as a rule, are the changes more than a very few feet.

The table also gives, for nearly all stations, the average pressure of the last twelve years, and also, in the case of the Bengal stations and some of those in the North-Western Provinces, the Punjab, Madras, and other provinces, those of longer periods. This double form has been adopted, because the high pressures which prevailed during two years from the spring of 1876 to the autumn of 1878 (brought prominently to notice in the Reports for 1877 and 1878), rendered, for a time, the averages of some stations for which more prolonged registers are not available, somewhat too high, in comparison with those deduced from longer periods.<sup>1</sup> Some of the stations, for which twelve years' averages are given, have not actually furnished registers for the whole period. But, as there exist, in nearly all parts of the country, other stations, from which the complete series is forthcoming, it has been possible, in the case of the defective registers, to interpolate values for the deficiencies; in computing which, the nearest stations, in all directions, have been taken into account, with weights proportional to their respective distances, where there is much variation in this respect.

Tables XV A and B (which follow) shew the differences of the means of 1886 and the above averages, respectively.

Table XVI gives a geographical summary of the anomalies of Table XVA, uniformly with the table of temperature anomalies.

<sup>1</sup> The low pressures of recent years have now, in many cases, counterbalanced this anomaly.

TABLE XIV.—Average monthly Mean Pressures of 128 stations in India, Ceylon, &amp;c.

| STATIONS.              | Years. | January. | February. | March. | April. | May.   | June.  | July.  | August. | September. | October. | November. | December. | Year.  |
|------------------------|--------|----------|-----------|--------|--------|--------|--------|--------|---------|------------|----------|-----------|-----------|--------|
| Aden . . .             | 5—7    | 29'959   | 29'912    | 29'865 | 29'798 | 29'719 | 29'620 | 29'565 | 29'592  | 29'682     | 29'827   | 29'911    | 29'956    | 29'784 |
| Mauritius . . .        | 12     | '948     | '935      | '977   | 30'006 | 30'087 | 30'176 | 30'207 | 30'204  | 30'195     | 30'139   | 30'068    | 30'003    | 30'079 |
|                        | 25—26  | '944     | '923      | '968   | '004   | '081   | '168   | '199   | '207    | '195       | '135     | '071      | 29'999    | '075   |
| Bushire . . .          | 8—9    | 30'106   | 30'045    | '962   | 29'852 | 29'727 | 29'548 | 29'453 | 29'510  | 29'684     | 29'900   | '031      | 30'093    | 29'826 |
| Amini Divi . . .       | 3—5    | 29'953   | 29'949    | '915   | P      | '849   | '821   | '845   | '859    | '901       | '889     | 29'898    | 29'944    | P      |
| Quetta . . .           | 6—8    | 24'677   | 24'642    | 24'627 | 24'598 | 24'553 | 24'444 | 24'393 | 24'442  | 24'551     | 24'686   | 24'732    | 24'713    | 24'597 |
| Leh . . .              | 11—12  | 19'639   | 19'577    | 19'665 | 19'670 | 19'680 | 19'641 | 19'600 | 19'625  | 19'688     | 19'729   | 19'720    | 19'697    | 19'661 |
| Mooltan . . .          | 12     | 29'644   | 29'591    | 29'477 | 29'343 | 29'202 | 29'047 | 29'026 | 29'103  | 29'240     | 29'442   | 29'592    | 29'657    | 29'364 |
| Dera Ismail Khan . . . | 12     | '493     | '440      | '342   | '205   | '067   | 28'900 | 28'886 | 28'950  | '093       | '291     | '441      | '509      | '218   |
| Peshawar . . .         | 12     | 28'959   | 28'913    | 28'823 | 28'694 | 28'562 | '391   | '365   | '434    | 28'588     | 28'784   | 28'911    | 28'973    | 28'700 |
| Murree . . .           | 12     | 23'879   | 23'835    | 23'856 | 23'827 | 23'793 | 23'724 | 23'700 | 23'743  | 23'832     | 23'920   | 23'931    | 23'919    | 23'830 |
| Rawalpindi . . .       | 12     | 28'368   | 28'314    | 28'245 | 28'130 | 28'022 | 27'878 | 27'863 | 27'935  | 28'059     | 28'232   | 28'339    | 28'385    | 28'148 |
| Sialkot . . .          | 12     | 29'205   | 29'139    | 29'048 | '918   | '806   | 28'658 | 28'659 | 28'724  | '847       | 29'025   | 29'147    | 29'204    | 28'948 |
| Lahore . . .           | 12     | '332     | '281      | '176   | 29'040 | '920   | '773   | '775   | '841    | '968       | '151     | '284      | '347      | 29'074 |
|                        | 13—14  | '335     | '282      | '175   | '049   | '923   | '772   | '776   | '846    | '966       | '149     | '300      | '353      | '077   |
| Ludhiana . . .         | 12     | '225     | '168      | '069   | 28'936 | '829   | '690   | '689   | '755    | '881       | '052     | '177      | '235      | 28'976 |
| Chamba . . .           | 3      | P        | P         | P      | P      | P      | P      | P      | P       | P          | 26'938   | 27'018    | 27'050    | P      |
| Kailang . . .          | 3—4    | 20'780   | 20'697    | 20'793 | 20'785 | 20'759 | 20'710 | 20'651 | 20'648  | 20'722     | 20'792   | 20'806    | 20'814    | 20'746 |
| Simla . . .            | 12     | 23'287   | 23'243    | 23'269 | 23'255 | 23'218 | 23'150 | 23'120 | 23'163  | 23'246     | 23'326   | 23'323    | 23'311    | 23'243 |
| Delhi . . .            | 12     | 29'320   | 29'259    | 29'155 | 29'023 | 28'916 | 28'783 | 28'782 | 28'849  | 28'964     | 29'142   | 29'268    | 29'330    | 29'066 |
| Sirsa . . .            | 12     | '387     | '328      | '220   | '085   | '967   | '832   | '822   | '890    | 29'020     | '198     | '328      | '391      | '122   |
| Chakrata . . .         | 12     | 23'264   | 23'222    | 23'246 | 23'237 | 23'201 | 23'133 | 23'105 | 23'148  | 23'225     | 23'303   | 23'311    | 23'298    | 23'224 |
| Dehra . . .            | 12     | 27'752   | 27'705    | 27'638 | 27'545 | 27'475 | 27'356 | 27'354 | 27'407  | 27'503     | 27'653   | 27'743    | 27'773    | 27'575 |
| Roorkee . . .          | 12     | 29'120   | 29'066    | 28'964 | 28'838 | 28'748 | 28'615 | 28'622 | 28'686  | 28'793     | 28'964   | 29'082    | 29'133    | 28'886 |
|                        | 19—20  | '121     | '060      | '968   | '850   | '746   | '619   | '629   | '691    | '795       | '962     | '093      | '141      | '890   |
| Ranikhet . . .         | 12     | 24'118   | 24'082    | 24'087 | 24'059 | 24'019 | 23'938 | 23'926 | 23'955  | 24'028     | 24'113   | 24'146    | 24'139    | 24'051 |
|                        | 13—14  | '117     | '081      | '083   | '062   | '016   | '938   | '929   | '956    | '029       | '114     | '152      | '142      | '052   |
| Pithoragarh . . .      | 12     | '762     | '724      | '715   | '677   | '632   | 24'544 | 24'533 | 24'559  | '635       | '731     | '783      | '780      | '673   |
| Meerut . . .           | 12     | 29'289   | 29'229    | 29'120 | 28'995 | 28'890 | 28'756 | 28'764 | 28'827  | 28'934     | 29'115   | 29'238    | 29'295    | 29'038 |
|                        | 13—14  | '291     | '228      | '119   | '998   | '886   | '760   | '765   | '831    | '935       | '114     | '245      | '297      | '039   |
| Bareilly . . .         | 12     | '456     | '389      | '284   | 29'154 | 29'067 | '940   | '944   | 29'005  | 29'110     | '282     | '404      | '469      | '209   |
| Agra . . .             | 12     | '490     | '433      | '327   | '195   | '087   | '966   | '964   | '033    | '142       | '316     | '443      | '505      | '242   |
| Lucknow . . .          | 12     | '678     | '613      | '501   | '366   | '276   | 29'152 | 29'153 | '218    | '324       | '498     | '623      | '687      | '424   |
|                        | 14—15  | '676     | '612      | '501   | '367   | '275   | '151   | '154   | '221    | '323       | '497     | '631      | '689      | '425   |

TABLE XIV.—Average monthly Mean Pressures of 128 stations in India, Ceylon, &amp;c.—continued.

| STATIONS.                 | Years. | January. | February. | March. | April. | May.   | June.  | July.  | August. | September. | October. | November. | December. | Year.  |
|---------------------------|--------|----------|-----------|--------|--------|--------|--------|--------|---------|------------|----------|-----------|-----------|--------|
| Gorakhpur . . .           | 12     | 29'781   | 29'711    | 29'593 | 29'456 | 29'389 | 29'264 | 29'265 | 29'326  | 29'430     | 29'605   | 29'729    | 29'795    | 29'529 |
| Jhansi . . .              | 12     | '169     | '123      | '027   | 28'902 | 28'791 | 28'683 | 28'673 | 28'738  | 28'841     | '008     | '124      | '179      | 28'938 |
| Allahabad . . .           | 12     | '738     | '674      | '556   | 29'426 | 29'328 | 29'203 | 29'209 | 29'275  | 29'376     | '555     | '682      | '748      | 29'481 |
| Benares . . .             | 12     | '779     | '716      | '599   | '460   | '367   | '243   | '249   | '314    | '416       | '593     | '721      | '790      | '521   |
|                           | 18—19  | '782     | '714      | '606   | '474   | '373   | '254   | '259   | '305    | '420       | '592     | '730      | '794      | '525   |
| Ghazipur . . .            | 12     | '836     | '765      | '646   | '546   | '415   | '288   | '290   | '346    | '452       | '633     | '762      | '838      | '568   |
| Katmandu . . .            | 3—5    | 25'714   | 25'635    | 25'617 | 25'539 | 25'492 | 25'382 | 25'389 | 25'432  | 25'519     | 25'630   | 25'691    | 25'679    | 25'560 |
| Sibsagar . . .            | 12     | 29'741   | 29'672    | 29'591 | 29'499 | 29'438 | 29'302 | 29'281 | 29'331  | 29'427     | 29'569   | 29'675    | 29'734    | 29'522 |
|                           | 13     | '741     | '672      | '589   | '501   | '433   | '305   | '284   | '330    | '426       | '565     | '676      | '734      | '521   |
| Dhubri . . .              | 12     | '942     | '875      | '765   | '665   | '615   | '495   | '480   | '529    | '627       | '772     | '860      | '929      | '713   |
| Silchar . . .             | 12     | '946     | '894      | '812   | '723   | '665   | '540   | '525   | '573    | '658       | '779     | '861      | '926      | '742   |
|                           | 16—18  | '939     | '888      | '808   | '724   | '653   | '540   | '528   | '576    | '660       | '776     | '877      | '936      | '742   |
| Darjeeling . . .          | 17—19  | 22'968   | 22'937    | 22'947 | 22'940 | 22'919 | 22'863 | 22'859 | 22'897  | 22'957     | 23'019   | 23'036    | 23'007    | 22'946 |
| Purneah . . .             | 12     | 29'912   | 29'840    | 29'729 | 29'612 | 29'559 | 29'440 | 29'433 | 29'484  | 29'588     | 29'738   | 29'845    | 29'908    | 29'674 |
| Durbhunga . . .           | 12     | '884     | '811      | '697   | '572   | '512   | '384   | '381   | '436    | '540       | '704     | '818      | '885      | '635   |
| Patna . . .               | 12     | '878     | '804      | '679   | '548   | '478   | '350   | '357   | '414    | '518       | '688     | '811      | '882      | '617   |
|                           | 18—19  | '872     | '801      | '681   | '558   | '473   | '350   | '358   | '419    | '515       | '682     | '818      | '882      | '617   |
| Gya . . .                 | 12     | '684     | '607      | '508   | '382   | '304   | '171   | '185   | '241    | '337       | '506     | '631      | '692      | '437   |
|                           | 14—16  | '680     | '604      | '502   | '381   | '292   | '169   | '182   | '239    | '333       | '501     | '632      | '690      | '434   |
| Hazaribagh . . .          | 12     | 27'987   | 27'940    | 27'866 | 27'771 | 27'693 | 27'578 | 27'569 | 27'619  | 27'713     | 27'869   | 27'956    | 27'992    | 27'796 |
|                           | 19—20  | '984     | '935      | '866   | '772   | '689   | '576   | '568   | '622    | '708       | '864     | '965      | '997      | '796   |
| Berhampore . . .          | 12     | 29'973   | 29'907    | 29'794 | 29'677 | 29'624 | 29'499 | 29'493 | 29'553  | 29'649     | 29'801   | 29'908    | 29'969    | 29'737 |
|                           | 19     | '967     | '898      | '792   | '678   | '605   | '486   | '488   | '551    | '644       | '790     | '912      | '971      | '732   |
| Burdwan . . .             | 12     | '943     | '879      | '765   | '654   | '589   | '462   | '455   | '519    | '615       | '767     | '876      | '942      | '706   |
|                           | 13—14  | '944     | '879      | '763   | '654   | '582   | '466   | '459   | '518    | '613       | '763     | '883      | '944      | '706   |
| Bhore . . .               | 12     | 30'005   | '945      | '839   | '735   | '678   | '552   | '539   | '597    | '692       | '833     | '932      | '997      | '779   |
|                           | 19—20  | '003     | '940      | '842   | '740   | '671   | '550   | '542   | '598    | '688       | '829     | '946      | 30'005    | '780   |
| Bacca . . .               | 12     | '019     | '960      | '862   | '757   | '705   | '584   | '571   | '625    | '716       | '845     | '939      | '008      | '799   |
|                           | 18—20  | '011     | '952      | '859   | '763   | '696   | '581   | '572   | '622    | '709       | '837     | '949      | '010      | '797   |
| Bhatnagar . . .           | 12     | 29'955   | '906      | '834   | '745   | '680   | '568   | '559   | '604    | '682       | '790     | '869      | 29'937    | '761   |
|                           | 15—16  | '952     | '905      | '832   | '749   | '674   | '566   | '560   | '605    | '682       | '784     | '876      | '938      | '760   |
| Bhatnagar (Alipore) . . . | 12     | 30'025   | '963      | '860   | '747   | '681   | '551   | '540   | '600    | '696       | '845     | '951      | 30'016    | '790   |
|                           | 34     | '019     | '950      | '857   | '751   | '662   | '545   | '538   | '597    | '684       | '833     | '962      | '023      | '785   |
| Bhatnagar Island . . .    | 12     | '015     | '955      | '860   | '754   | '682   | '551   | '539   | '598    | '688       | '836     | '945      | '014      | '786   |
|                           | 19—20  | '009     | '945      | '860   | '757   | '673   | '547   | '536   | '591    | '679       | '823     | '951      | '017      | '782   |

TABLE XIV.—Average monthly Mean Pressures of 128 stations in India, Ceylon, &amp;c.—continued.

| STATIONS.             | Years. | January. | February. | March. | April. | May.   | June.  | July.  | August. | September. | October. | November. | December. | Year.  |
|-----------------------|--------|----------|-----------|--------|--------|--------|--------|--------|---------|------------|----------|-----------|-----------|--------|
| Cuttack . . . . .     | 12     | 29'961   | 29'899    | 29'802 | 29'692 | 29'615 | 29'496 | 29'495 | 29'545  | 29'626     | 29'781   | 29'896    | 29'961    | 29'731 |
|                       | 19     | '963     | '895      | '804   | '696   | '613   | '502   | '502   | '552    | '634       | '780     | '909      | '967      | '735   |
| False Point . . . . . | 12     | 30'035   | '978      | '882   | '771   | '694   | '576   | '559   | '613    | '695       | '848     | '965      | 30'034    | '804   |
|                       | 20     | '034     | '974      | '889   | '784   | '696   | '577   | '570   | '624    | '699       | '843     | '975      | '038      | '809   |
| Sambalpur . . . . .   | 12     | 29'550   | '478      | '372   | '255   | '164   | '065   | '084   | '130    | '214       | '368     | '480      | 29'545    | '309   |
| Raipur . . . . .      | 12     | '044     | 28'992    | 28'899 | 28'788 | 28'688 | 28'599 | 28'601 | 28'655  | 28'731     | 28'892   | '009      | '049      | 28'828 |
| Nagpur . . . . .      | 12     | 28'975   | '918      | '834   | '732   | '638   | '566   | '568   | '616    | '682       | '832     | 28'936    | 28'986    | '774   |
|                       | 18     | '965     | '912      | '828   | '727   | '635   | '556   | '559   | '613    | '673       | '820     | '939      | '984      | '768   |
| Seoni . . . . .       | 12     | 27'971   | 27'924    | 27'857 | 27'776 | 27'683 | 27'589 | 27'570 | 27'623  | 27'702     | 27'853   | 27'942    | 27'980    | 27'789 |
|                       | 16     | '966     | '921      | '855   | '779   | '687   | '587   | '571   | '623    | '697       | '845     | '943      | '978      | '788   |
| Jubbulpore . . . . .  | 12     | 28'682   | 28'628    | 28'544 | 28'435 | 28'338 | 28'238 | 28'230 | 28'288  | 28'373     | 28'538   | 28'647    | 28'689    | 28'469 |
|                       | 17—18  | '666     | '624      | '540   | '436   | '337   | '232   | '225   | '289    | '365       | '529     | '647      | '684      | '465   |
| Saugor . . . . .      | 12     | '239     | '186      | '113   | '024   | 27'918 | 27'818 | 27'802 | 27'862  | 27'949     | '110     | '205      | '242      | '039   |
| Pachmarhi . . . . .   | 12     | 26'552   | 26'520    | 26'488 | 26'419 | 26'342 | 26'240 | 26'209 | 26'261  | 26'335     | 26'473   | 26'539    | 26'562    | 26'412 |
| Hoshangabad . . . . . | 12     | 29'008   | 28'954    | 28'872 | 28'770 | 28'676 | 28'582 | 28'579 | 28'637  | 28'708     | 28'862   | 28'966    | 29'015    | 28'802 |
| Khandwa . . . . .     | 12     | 28'949   | '900      | '830   | '736   | '644   | '563   | '559   | '617    | '692       | '828     | '921      | 28'961    | '767   |
| Chanda . . . . .      | 12     | 29'378   | 29'312    | 29'225 | 29'121 | 29'028 | '969   | '984   | 29'027  | 29'090     | 29'227   | 29'332    | 29'387    | 29'173 |
| Sironcha . . . . .    | 12     | '637     | '589      | '502   | '402   | '311   | 29'261 | 29'288 | '301    | '356       | '478     | '576      | '637      | '445   |
| Chikalda . . . . .    | 10—11  | 26'432   | 26'395    | 26'364 | 26'293 | 26'221 | 26'127 | 26'106 | 26'145  | 26'217     | 26'342   | 26'402    | 26'429    | 26'289 |
| Buldana . . . . .     | 12     | 27'855   | 27'817    | 27'768 | 27'689 | 27'617 | 27'535 | 27'529 | 27'576  | 27'642     | 27'759   | 27'836    | 27'868    | 27'708 |
| Akola . . . . .       | 12     | 29'070   | 29'017    | 28'939 | 28'844 | 28'760 | 28'686 | 28'691 | 28'742  | 28'809     | 28'938   | 29'032    | 29'081    | 28'884 |
| Amraoti . . . . .     | 12     | 28'781   | 28'726    | '648   | '554   | '468   | '396   | '397   | '445    | '512       | '649     | 28'743    | 28'790    | '592   |
| Neemuch . . . . .     | 12     | '367     | '319      | '248   | '154   | '058   | 27'957 | 27'937 | '005    | '099       | '251     | '341      | '378      | '176   |
| Nowgong . . . . .     | 12     | 29'285   | 29'235    | 29'123 | '999   | '890   | 28'770 | 28'775 | '839    | '936       | 29'108   | 29'233    | 29'291    | 29'040 |
| Sutna . . . . .       | 12     | 28'981   | 28'934    | 28'831 | '708   | '602   | '486   | '485   | '549    | '647       | 28'823   | 28'938    | 28'992    | 28'748 |
| Indore . . . . .      | 12     | '168     | '133      | '068   | 27'984 | 27'898 | 27'805 | 27'790 | 27'848  | 27'929     | '068     | '148      | '182      | '002   |
| Bickaneer . . . . .   | 12     | 29'296   | 29'233    | 29'118 | 28'995 | 28'869 | 28'748 | 28'723 | 28'801  | 28'925     | 29'101   | 29'228    | 29'295    | 29'028 |
| Jeypore . . . . .     | 12     | 28'585   | 28'538    | 28'450 | '349   | '247   | '133   | '119   | '186    | '290       | 28'456   | 28'556    | 28'604    | 28'376 |
| Sambhar . . . . .     | 12     | '759     | '709      | '624   | '514   | '405   | '311   | '279   | '339    | '440       | '614     | '729      | '773      | '541   |
| Ajmere . . . . .      | 12     | '415     | '370      | '284   | '185   | '081   | 27'984 | 27'953 | '021    | '118       | '291     | '394      | '435      | '211   |
| Mount Abu . . . . .   | 7—10   | 26'143   | 26'108    | 26'079 | 26'031 | 25'960 | 25'860 | 25'817 | 25'864  | 25'965     | 26'091   | 26'136    | 26'143    | 26'016 |
| Pachpadra . . . . .   | 3—5    | 29'666   | 29'606    | 29'499 | 29'405 | 29'289 | P      | 29'149 | 29'203  | 29'335     | 29'492   | 29'618    | 29'689    | P      |
| Jacobabad . . . . .   | 12     | '885     | '829      | '696   | '562   | '415   | 29'263 | '236   | '323    | '467       | '669     | '823      | '897      | 29'589 |
| Hyderabad . . . . .   | 12     | '962     | '907      | '779   | '660   | '525   | '384   | '351   | '439    | '575       | '748     | '891      | '967      | '682   |
| Kurrachee . . . . .   | 12     | 30'017   | '980      | '882   | '783   | '650   | '524   | '487   | '574    | '696       | '853     | '962      | 30'028    | '786   |
| Bhuj . . . . .        | 12     | 29'639   | '596      | '511   | '417   | '316   | '192   | '161   | '239    | '346       | '485     | '585      | 29'638    | '427   |

TABLE XIV.—Average monthly Mean Pressures of 128 stations in India, Ceylon, &amp;c.—continued.

| STATIONS.          | Years. | January. | February. | March. | April. | May.   | June.  | July.  | August. | September. | October. | November. | December. | Year.  |
|--------------------|--------|----------|-----------|--------|--------|--------|--------|--------|---------|------------|----------|-----------|-----------|--------|
| Rajkot . . .       | 12     | 29'595   | 29'553    | 29'483 | 29'396 | 29'299 | 29'184 | 29'171 | 29'242  | 29'338     | 29'458   | 29'538    | 29'584    | 29'403 |
| Deesa . . .        | 12     | '547     | '503      | '426   | '330   | '228   | '128   | '099   | '175    | '280       | '417     | '509      | '550      | '349   |
| Surat . . .        | 12     | '979     | '945      | '885   | '799   | '730   | '629   | '606   | '670    | '748       | '845     | '921      | '969      | '811   |
| Malegaon . . .     | 12     | 28'558   | 28'513    | 28'456 | 28'376 | 28'302 | 28'223 | 28'215 | 28'274  | 28'339     | 28'449   | 28'528    | 28'561    | 28'400 |
| Bombay . . .       | 12     | 29'961   | 29'930    | 29'883 | 29'812 | 29'768 | 29'685 | 29'679 | 29'727  | 29'787     | 29'846   | 29'903    | 29'947    | 29'827 |
|                    | 40     | '952     | '921      | '875   | '810   | '765   | '669   | '667   | '726    | '783       | '841     | '910      | '947      | '822   |
| Poona . . .        | 12     | 28'133   | 28'090    | 28'052 | 27'989 | 27'941 | 27'875 | 27'871 | 27'911  | 27'970     | 28'043   | 28'098    | 28'139    | 28'010 |
| Sholapur . . .     | 12     | '398     | '355      | '296   | 28'209 | 28'149 | 28'114 | 28'117 | 28'149  | 28'201     | '280     | '345      | '393      | '251   |
| Ratnagiri . . .    | 12     | 29'684   | 29'834    | 29'793 | 29'725 | 29'684 | 29'632 | 29'640 | 29'676  | 29'723     | 29'756   | 29'798    | 29'840    | 29'747 |
| Belgaum . . .      | 12     | 27'437   | 27'413    | 27'378 | 27'321 | 27'283 | 27'231 | 27'250 | 27'272  | 27'322     | 27'358   | 27'395    | 27'432    | 27'341 |
| Karwar . . .       | 9      | 29'932   | 29'910    | 29'877 | 29'815 | 29'769 | 29'749 | 29'763 | 29'780  | 29'821     | 29'834   | 29'859    | 29'905    | 29'835 |
| Gopalpur . . .     | 12     | 30'002   | '941      | '851   | '749   | '662   | '546   | '542   | '591    | '671       | '817     | '928      | '998      | '775   |
| Vizagapatam . . .  | 12     | '008     | '957      | '884   | '788   | '697   | '593   | '595   | '632    | '697       | '823     | '926      | '993      | '799   |
|                    | 17     | 29'996   | '948      | '878   | '789   | '690   | '593   | '592   | '633    | '695       | '814     | '930      | '995      | '796   |
| Rajahmundry . . .  | 3      | P        | P         | P      | P      | P      | '531   | '542   | '561    | '628       | '746     | '834      | '904      | P      |
| Masulipatam . . .  | 12     | 30'015   | 29'975    | 29'907 | 29'816 | 29'715 | '654   | '673   | '698    | '746       | '845     | '932      | '995      | '831   |
|                    | 16-17  | '005     | '965      | '902   | '812   | '706   | '649   | '666   | '697    | '739       | '834     | '936      | '996      | '826   |
| Secunderabad . . . | 12     | 28'194   | 28'155    | 28'104 | 28'031 | 27'963 | 27'915 | 27'912 | 27'940  | 27'986     | 28'077   | 28'145    | 28'191    | 28'051 |
|                    | 16-17  | '186     | '152      | '099   | '029   | '954   | '909   | '910   | '940    | '982       | '069     | '146      | '193      | '047   |
| Kurnool . . .      | 3-4    | P        | 29'016    | '959   | '873   | 28'819 | 28'775 | 28'792 | 28'812  | 28'872     | '936     | 29'021    | 29'086    | P      |
| Bellary . . .      | 12     | 28'486   | 28'442    | '388   | '315   | '268   | '259   | '273   | '289    | '326       | '380     | 28'437    | '481      | 28'362 |
|                    | 16     | '481     | '440      | '386   | '318   | '271   | '256   | '272   | '291    | '323       | '376     | '442      | '482      | '362   |
| Mangalore . . .    | 9      | 29'934   | 29'921    | 29'895 | 29'839 | 29'799 | 29'800 | 29'813 | 29'828  | 29'862     | 29'892   | 29'872    | '913      | 29'864 |
| Mercara . . .      | 12     | 26'313   | 26'309    | 26'294 | 26'251 | 26'224 | 26'208 | 26'216 | 26'223  | 26'247     | 26'260   | 26'280    | 26'303    | 26'261 |
| Bangalore . . .    | 12     | 27'047   | 27'027    | '997   | '939   | '896   | '879   | '886   | '896    | '927       | '960     | '995      | 27'033    | '957   |
|                    | 17     | '042     | '023      | '993   | '938   | '894   | '876   | '885   | '898    | '927       | '957     | 27'000    | '035      | '956   |
| Madras . . .       | 12     | 30'004   | 29'974    | 29'914 | 29'828 | 29'739 | 29'707 | 29'728 | 29'745  | 29'783     | 29'850   | 29'912    | 29'976    | 29'847 |
|                    | 27     | 29'993   | '966      | '909   | '823   | '736   | '701   | '721   | '746    | '774       | '839     | '919      | '975      | '842   |
| Cuddapah . . .     | 3      | P        | P         | P      | '419   | '361   | '320   | '329   | '349    | '398       | '470     | '540      | '598      | P      |
| Salem . . .        | 12     | 29'056   | 29'038    | 28'988 | 28'914 | 28'869 | 28'859 | 28'869 | 28'880  | 28'913     | 28'944   | 28'984    | '034      | 28'946 |
|                    | 17     | '050     | '030      | '984   | '914   | '868   | '857   | '870   | '882    | '910       | '934     | '992      | '038      | '944   |
| Wellington . . .   | 13-15  | 24'265   | 24'267    | 24'269 | 24'235 | 24'198 | 24'162 | 24'163 | 24'170  | 24'192     | 24'211   | 24'236    | 24'260    | 24'219 |
| Coimbatore . . .   | 12     | 28'613   | 28'589    | 28'553 | 28'491 | 28'453 | 28'452 | 28'464 | 28'470  | 28'497     | 28'522   | 28'554    | 28'595    | 28'521 |
|                    | 16-17  | '637     | '581      | '547   | '487   | '447   | '443   | '457   | '465    | '488       | '510     | '555      | '594      | '515   |
| Trichinopoly . . . | 12     | 29'722   | 29'704    | 29'653 | 29'574 | 29'522 | 29'508 | 29'524 | 29'533  | 29'565     | 29'603   | 29'650    | 29'702    | 29'605 |
|                    | 16-17  | '715     | '697      | '656   | '573   | '523   | '501   | '515   | '528    | '553       | '591     | '649      | '700      | '600   |



TABLE XIV.—Average monthly Mean Pressures of 128 stations in India, Ceylon, &amp;c.—concluded.

| STATIONS.        | Years.  | January. | February. | March. | April. | May.   | June.  | July.  | August. | September. | October. | November. | December. | Year.  |
|------------------|---------|----------|-----------|--------|--------|--------|--------|--------|---------|------------|----------|-----------|-----------|--------|
| Negapatam .      | { 12    | 29'978   | 29'958    | 29'911 | 29'829 | 29'760 | 29'744 | 29'759 | 29'775  | 29'808     | 29'850   | 29'893    | 29'944    | 29'851 |
|                  | { 17    | '970     | '951      | '907   | '828   | '757   | '739   | '757   | '775    | '803       | '841     | '897      | '947      | '848   |
| Madura .         | { 12    | '515     | '497      | '456   | '381   | '334   | '323   | '334   | '345    | '374       | '408     | '446      | '485      | '408   |
|                  | { 16—17 | 502      | '485      | '445   | '375   | '323   | '311   | '325   | '337    | '363       | '395     | '445      | '485      | '399   |
| Cochin .         | { 12    | '939     | '927      | '908   | '854   | '838   | '860   | '873   | '877    | '901       | '895     | '895      | '916      | '890   |
|                  | { 15—16 | '929     | '921      | '904   | '855   | '836   | '856   | '872   | '878    | '898       | '892     | '901      | '922      | '889   |
| Colombo .        | { 12    | '891     | '886      | '873   | '823   | '807   | '826   | '837   | '839    | '864       | '862     | '859      | '873      | '853   |
|                  | { 17—18 | '883     | '881      | '867   | '821   | '805   | '819   | '833   | '835    | '859       | '858     | '857      | '872      | '849   |
| Jaffna .         | { 12    | '971     | '954      | '912   | '836   | '781   | '774   | '787   | '795    | '829       | '859     | '893      | '935      | '861   |
|                  | { 16    | '967     | '947      | '908   | '835   | '779   | '768   | '784   | '793    | '823       | '851     | '892      | '935      | '857   |
| Trincomalee .    | { 12    | '886     | '880      | '843   | '768   | '711   | '702   | '712   | '721    | '750       | '781     | '811      | '844      | '784   |
|                  | { 16—18 | '880     | '872      | '839   | '766   | '708   | '696   | '707   | '717    | '742       | '773     | '819      | '852      | '781   |
| Batticaloa .     | { 12    | '949     | '945      | '914   | '841   | '794   | '790   | '802   | '806    | '836       | '856     | '879      | '909      | '860   |
|                  | { 16—17 | '945     | '938      | '908   | '837   | '790   | '781   | '796   | '802    | '829       | '847     | '878      | '911      | '855   |
| Hambantota .     | { 12    | '861     | '857      | '848   | '810   | '779   | '784   | '787   | '791    | '815       | '821     | '834      | '845      | '819   |
|                  | { 15—16 | '859     | '855      | '846   | '809   | '777   | '781   | '783   | '787    | '809       | '817     | '836      | '858      | '818   |
| Galle .          | { 12    | '870     | '863      | '852   | '804   | '790   | '807   | '818   | '819    | '846       | '844     | '840      | '848      | '833   |
|                  | { 16—18 | '863     | '858      | '847   | '801   | '789   | '799   | '812   | '814    | '840       | '838     | '836      | '849      | '829   |
| Kandy .          | { 12    | 28'230   | 28'221    | 28'205 | 28'160 | 28'139 | 28'156 | 28'163 | 28'166  | 28'183     | 28'189   | 28'188    | 28'209    | 28'184 |
|                  | { 16—17 | '221     | '215      | '199   | '157   | '137   | '150   | '160   | '159    | '178       | '182     | '186      | '205      | '179   |
| Newera Eliya     | { 12    | P        | P         | P      | P      | P      | 23'980 | 23'979 | 23'979  | P          | 23'998   | 24'015    | P         | P      |
|                  | { 15—17 | 24'010   | 24'023    | 24'027 | 24'003 | 23'993 | '982   | '979   | '981    | 23'993     | '999     | '015      | 24'013    | 24'002 |
| Akyab .          | { 12    | 30'019   | 29'964    | 29'914 | 29'832 | 29'769 | 29'678 | 29'669 | 29'708  | 29'766     | 29'853   | 29'928    | 29'990    | 29'841 |
|                  | { 19—20 | '003     | '954      | '903   | '833   | '762   | '679   | '673   | '708    | '764       | '850     | '936      | '992      | '838   |
| Thayetmyo .      | { 11—12 | 29'854   | '790      | '733   | '643   | '607   | '576   | '569   | '593    | '645       | '727     | '799      | '853      | '699   |
| Toungoo .        | { 12    | '824     | '762      | '693   | '623   | '584   | '561   | '554   | '573    | '620       | '688     | '753      | '801      | '670   |
| Bassein .        | { 12    | '974     | '926      | '883   | '813   | '765   | '727   | '724   | '745    | '783       | '846     | '894      | '950      | '836   |
| Diamond Island . | { 12    | '972     | '938      | '901   | '832   | '774   | '732   | '731   | '751    | '787       | '845     | '894      | '947      | '842   |
| Rangoon .        | { 12    | '958     | '915      | '865   | '796   | '753   | '729   | '727   | '747    | '788       | '838     | '893      | '941      | '829   |
| Moulmein .       | { 12    | '884     | '845      | '813   | '745   | '705   | '686   | '682   | '695    | '722       | '767     | '809      | '861      | '768   |
| Mergui .         | { 12    | '868     | '862      | '831   | '776   | '749   | '742   | '738   | '751    | '775       | '794     | '815      | '846      | '796   |
| Port Blair .     | { 11—12 | '912     | '899      | '877   | '811   | '760   | '735   | '743   | '756    | '787       | '816     | '842      | '883      | '818   |
|                  | { 17—19 | '900     | '891      | '866   | '805   | '752   | '729   | '736   | '749    | '777       | '806     | '841      | '876      | '811   |
| Nancowry .       | { 11—12 | '858     | '861      | 849    | '801   | '775   | '769   | '772   | '780    | '806       | '814     | '819      | '837      | '812   |
|                  | { 12—14 | '856     | '857      | '844   | '800   | '769   | '759   | '765   | '776    | '800       | '808     | '819      | '838      | '807   |

TABLE XV A.—Comparison of monthly Mean Pressures in 1886\* with the averages of 12 or less than 12 years, in the previous Table XIV.

| STATIONS.                  | January. | February | March. | April. | May.   | June.  | July.  | August. | September. | October. | November. | December. | Year.  |
|----------------------------|----------|----------|--------|--------|--------|--------|--------|---------|------------|----------|-----------|-----------|--------|
| Aden . . . . .             | —'034    | —'002    | —'026  | + '021 | —'039  | —'024  | —'052  | —'018   | + '002     | —'030    | —'017     | —'013     | —'019  |
| Mauritius . . . . .        | + '015   | —'006    | —'040  | —'074  | + '028 | + '002 | —'051  | —'036   | —'001      | + '026   | + '047    | + '016    | —'006  |
| Bushire . . . . .          | —'035    | —'008    | —'024  | + '026 | —'028  | —'008  | —'029  | + '004  | + '017     | —'010    | —'002     | + '049    | —'004  |
| Amini Divi . . . . .       | —'012    | —'009    | —'009  |        | ?      | —'013  | —'025  | —'008   | —'021      | —'015    | + '009    | + '003    | ?      |
| Quetta . . . . .           | —'029    | + '042   | —'028  | + '034 | + '018 | + '009 | —'031  | —'018   | —'004      | —'028    | —'001     | —'009     | —'012  |
| Leh . . . . .              | —'037    | —'067    | —'082  | —'009  | —'022  | —'013  | —'021  | —'036   | —'013      | + '005   | + '020    | —'031     | —'026  |
| Mooltan . . . . .          | —'002    | + '040   | —'012  | + '016 | —'003  | + '015 | 0      | —'017   | —'025      | —'026    | —'004     | —'004     | —'002  |
| Dera Ismail Khan . . . . . | 0        | + '041   | —'019  | + '014 | —'010  | + '014 | 0      | —'016   | —'028      | —'020    | —'001     | —'004     | —'002  |
| Peshawar . . . . .         | —'008    | + '028   | —'040  | + '019 | + '009 | + '020 | —'007  | —'006   | —'007      | —'017    | 0         | + '009    | 0      |
| Murree . . . . .           | —'021    | —'005    | —'035  | + '022 | + '013 | + '007 | —'002  | —'008   | + '002     | + '004   | + '024    | —'002     | 0      |
| Rawalpindi . . . . .       | —'023    | + '014   | —'029  | + '019 | + '016 | + '024 | + '008 | —'003   | —'005      | —'009    | + '005    | + '009    | + '002 |
| Sialkot . . . . .          | —'023    | + '015   | —'011  | + '008 | + '003 | + '012 | + '001 | —'015   | —'028      | —'020    | —'003     | —'010     | —'006  |
| Lahore . . . . .           | —'004    | + '027   | —'009  | + '019 | + '002 | + '018 | + '005 | —'008   | —'023      | —'015    | + '002    | —'004     | + '001 |
| Ludhiana . . . . .         | —'020    | + '002   | —'018  | + '007 | —'002  | + '010 | + '006 | —'002   | —'017      | —'010    | + '001    | —'007     | —'004  |
| Chamba . . . . .           | ?        | ?        | ?      | ?      | ?      | ?      | ?      | ?       | ?          | —'024    | —'006     | —'010     | ?      |
| Kailang . . . . .          | —'028    | —'002    | —'042  | + '004 | + '011 | —'011  | —'001  | + '014  | + '006     | —'001    | + '010    | —'021     | —'005  |
| Simla . . . . .            | —'012    | —'004    | —'028  | —'001  | + '004 | + '004 | + '004 | —'005   | —'006      | + '004   | + '025    | + '014    | 0      |
| Delhi . . . . .            | —'010    | + '018   | —'006  | + '008 | + '008 | + '018 | + '009 | + '005  | + '006     | —'016    | —'001     | —'018     | + '002 |
| Sirsa . . . . .            | —'008    | + '027   | —'018  | + '012 | —'004  | + '009 | —'001  | 0       | —'007      | —'019    | + '007    | + '003    | 0      |
| Chakrata . . . . .         | —'005    | + '010   | —'009  | + '010 | + '017 | + '009 | + '001 | —'010   | —'009      | + '002   | + '016    | + '012    | + '004 |
| Dehra . . . . .            | —'002    | + '015   | + '012 | + '007 | + '031 | + '023 | + '005 | —'012   | —'002      | —'010    | + '012    | + '007    | + '007 |
| Roorkee . . . . .          | —'005    | + '005   | + '006 | + '002 | + '016 | + '019 | + '002 | —'009   | —'008      | —'013    | + '012    | —'005     | + '002 |
| Ranikhet . . . . .         | + '010   | + '010   | + '006 | + '004 | + '008 | —'002  | —'011  | —'026   | —'018      | —'011    | + '009    | —'002     | —'002  |
| Pithoragarh . . . . .      | + '003   | + '003   | + '018 | + '002 | + '022 | + '013 | 0      | —'004   | + '005     | + '008   | + '013    | + '012    | + '008 |
| Meerut . . . . .           | —'007    | + '013   | + '002 | + '003 | + '010 | + '023 | + '002 | —'002   | —'002      | —'018    | + '005    | —'006     | + '002 |
| Bareilly . . . . .         | —'012    | + '009   | + '003 | 0      | + '020 | + '023 | + '007 | —'004   | + '005     | —'007    | + '015    | —'003     | + '005 |
| Agra . . . . .             | + '002   | + '033   | + '001 | + '016 | + '015 | + '027 | + '015 | + '009  | + '024     | —'016    | + '013    | + '004    | + '012 |
| Lucknow . . . . .          | + '004   | + '012   | + '008 | + '006 | + '026 | + '024 | + '020 | + '005  | + '006     | —'016    | + '005    | —'003     | + '008 |
| Gorakhpur . . . . .        | —'010    | —'005    | + '011 | + '013 | + '033 | + '016 | + '011 | 0       | + '011     | —'019    | 0         | —'011     | + '004 |
| Jhansi . . . . .           | + '028   | + '050   | + '007 | + '021 | + '017 | + '032 | + '018 | + '021  | + '036     | —'013    | + '019    | + '031    | + '022 |
| Allahabad . . . . .        | —'007    | + '011   | + '002 | —'007  | + '012 | + '015 | + '010 | + '005  | + '007     | —'026    | + '001    | —'010     | + '002 |
| Benares . . . . .          | —'002    | + '007   | + '001 | + '006 | + '011 | + '015 | + '016 | + '006  | + '009     | —'023    | + '007    | 0         | + '004 |
| Ghazipur . . . . .         | —'020    | + '001   | + '012 | —'021  | + '030 | + '031 | + '036 | + '027  | + '022     | —'001    | + '021    | + '004    | + '012 |
| Katmandu . . . . .         | ?        | ?        | ?      | ?      | ?      | + '036 | + '022 | + '005  | —'008      | —'011    | + '001    | —'014     | ?      |

TABLE XV A.—Comparison of monthly Mean Pressures in 1886 with the averages of 12 or less than 12 years, in the previous Table XIV—continued.

| STATIONS.                    | January. | February. | March. | April. | May.   | June.  | July.  | August. | September. | October. | November. | December. | Year.  |
|------------------------------|----------|-----------|--------|--------|--------|--------|--------|---------|------------|----------|-----------|-----------|--------|
| Sibsagar . . . . .           | —'020    | —'019     | —'010  | —'001  | + '018 | —'002  | —'001  | —'003   | —'009      | —'019    | + '022    | + '009    | —'003  |
| Dhubri . . . . .             | —'020    | —'020     | —'006  | —'005  | + '023 | —'006  | —'008  | —'006   | —'005      | —'028    | + '016    | + '005    | —'005  |
| Silchar . . . . .            | —'016    | —'013     | —'008  | —'003  | —'004  | —'010  | + '003 | —'004   | + '001     | —'028    | + '002    | + '004    | —'006  |
| Purneah . . . . .            | —'003    | —'011     | + '009 | + '005 | + '029 | + '007 | + '002 | + '012  | + '007     | —'005    | + '024    | + '017    | + '009 |
| Durbhunga . . . . .          | —'003    | —'004     | + '011 | + '007 | + '025 | + '004 | 0      | + '001  | + '001     | —'018    | + '010    | + '001    | + '003 |
| Patna . . . . .              | + '001   | + '004    | + '011 | + '011 | + '031 | + '016 | + '014 | + '006  | + '002     | —'020    | + '004    | —'006     | + '006 |
| Hazaribagh . . . . .         | —'005    | + '005    | + '003 | + '013 | + '021 | + '018 | + '014 | + '019  | + '006     | —'011    | + '010    | + '009    | + '009 |
| Berhampore . . . . .         | —'006    | —'003     | + '009 | + '006 | + '020 | + '006 | + '003 | + '006  | —'002      | —'014    | + '004    | + '003    | + '003 |
| Burdwan . . . . .            | —'006    | + '002    | + '014 | 0      | + '022 | + '006 | + '007 | + '012  | —'003      | —'018    | —'008     | 0         | + '002 |
| Jessore . . . . .            | —'013    | —'005     | + '006 | —'002  | + '020 | 0      | + '006 | + '010  | —'007      | —'018    | 0         | + '006    | 0      |
| Dacca . . . . .              | —'011    | —'001     | + '013 | + '007 | + '020 | + '001 | + '010 | + '008  | + '001     | —'019    | + '009    | + '007    | + '004 |
| Chittagong . . . . .         | —'018    | —'004     | —'001  | + '005 | + '007 | —'004  | + '010 | + '007  | 0          | —'025    | —'002     | + '003    | —'003  |
| Calcutta (Alipore) . . . . . | —'011    | + '003    | + '007 | —'003  | + '018 | —'004  | + '007 | + '012  | —'009      | —'020    | —'001     | + '004    | 0      |
| Saugor Island . . . . .      | —'007    | + '003    | + '004 | —'009  | + '017 | + '004 | + '014 | + '019  | 0          | —'009    | + '001    | + '006    | + '004 |
| Cuttack . . . . .            | + '004   | + '020    | —'001  | + '012 | + '011 | —'002  | —'002  | —'002   | —'009      | —'023    | + '004    | + '004    | + '001 |
| False Point . . . . .        | 0        | + '011    | + '014 | + '010 | + '019 | —'018  | + '002 | + '006  | —'013      | —'022    | —'015     | —'002     | —'001  |
| Sambalpur . . . . .          | —'005    | + '016    | + '019 | + '020 | + '031 | + '036 | + '012 | + '016  | + '013     | —'013    | + '013    | + '021    | + '015 |
| Raipur . . . . .             | —'015    | + '002    | —'002  | + '001 | —'001  | —'002  | —'009  | —'012   | —'004      | —'062    | —'026     | —'004     | —'011  |
| Nagpur . . . . .             | —'012    | + '016    | —'007  | —'001  | —'010  | —'012  | —'012  | —'009   | + '008     | —'059    | —'015     | + '008    | —'009  |
| Seoni . . . . .              | —'002    | + '021    | —'008  | —'006  | —'008  | —'008  | —'002  | + '003  | + '015     | —'053    | —'006     | —'001     | —'005  |
| Jubbulpore . . . . .         | —'019    | + '019    | —'009  | —'002  | —'012  | —'002  | —'004  | + '005  | + '016     | —'049    | —'009     | —'002     | —'006  |
| Saugor . . . . .             | —'017    | + '027    | —'008  | + '002 | —'005  | + '005 | —'002  | + '002  | + '025     | —'045    | + '002    | —'015     | —'002  |
| Pachmarhi . . . . .          | —'011    | + '020    | —'004  | + '018 | + '001 | + '003 | —'004  | + '006  | + '034     | —'055    | + '001    | + '004    | + '001 |
| Hoshangabad . . . . .        | —'017    | + '023    | —'012  | + '009 | —'021  | —'006  | —'014  | —'012   | + '020     | —'059    | —'006     | + '010    | —'007  |
| Khandwa . . . . .            | —'004    | + '056    | + '035 | + '009 | —'007  | + '007 | + '009 | + '014  | + '037     | —'057    | —'001     | + '015    | + '009 |
| Chanda . . . . .             | —'014    | + '019    | —'005  | + '005 | —'002  | —'010  | —'010  | —'004   | + '010     | —'056    | —'014     | + '001    | —'007  |
| Sironcha . . . . .           | —'014    | —'004     | —'018  | —'012  | —'011  | —'034  | —'042  | —'025   | —'007      | —'056    | —'036     | P         | P      |
| Chikalda . . . . .           | —'022    | + '016    | —'018  | + '009 | —'005  | —'004  | —'008  | + '006  | + '029     | —'051    | + '010    | + '011    | —'002  |
| Buldana . . . . .            | —'009    | + '024    | —'004  | + '006 | —'022  | —'010  | —'007  | 0       | + '013     | —'067    | —'013     | + '007    | —'007  |
| Akola . . . . .              | —'007    | + '018    | —'005  | + '004 | —'018  | —'008  | —'008  | —'001   | + '017     | —'063    | —'008     | + '007    | —'006  |
| Amraoti . . . . .            | —'017    | + '012    | —'005  | + '005 | —'015  | —'012  | —'007  | —'001   | + '012     | —'062    | —'010     | + '004    | —'008  |
| Neemuch . . . . .            | —'030    | + '001    | —'021  | —'006  | —'026  | + '009 | —'004  | —'004   | + '026     | —'062    | —'004     | 0         | —'010  |
| Nowgong . . . . .            | —'011    | + '023    | —'005  | + '010 | + '002 | + '027 | + '014 | + '008  | + '025     | —'023    | + '004    | —'001     | + '006 |
| Sutna . . . . .              | —'007    | + '011    | —'017  | + '002 | —'003  | + '002 | + '002 | + '005  | + '018     | —'024    | + '013    | + '014    | + '001 |

TABLE XV A.—Comparison of monthly Mean Pressures in 1886 with the averages of 12 or less than 12 years, in the previous Table XIV—continued.

| STATIONS.              | January. | February. | March. | April. | May.  | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------------|----------|-----------|--------|--------|-------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Indore . . . . .       | -.021    | +.010     | -.023  | -.010  | -.029 | -.009 | -.008 | +.001   | +.028      | -.063    | +.001     | +.009     | -.010 |
| Bickaneer . . . . .    | -.029    | +.010     | -.024  | -.007  | -.028 | +.003 | +.003 | p       | p          | p        | p         | p         | p     |
| Jeypore . . . . .      | -.010    | +.033     | -.006  | +.007  | -.010 | +.019 | +.006 | +.004   | +.027      | -.033    | +.003     | +.001     | +.003 |
| Sambhar . . . . .      | -.012    | +.037     | -.014  | +.008  | -.009 | +.011 | +.001 | +.011   | +.042      | -.036    | o         | +.007     | -.004 |
| Ajmere . . . . .       | -.014    | +.035     | -.011  | +.005  | -.021 | +.003 | -.012 | o       | +.036      | -.046    | o         | +.002     | -.002 |
| Mount Abu . . . . .    | -.023    | +.026     | -.014  | +.011  | -.012 | +.010 | -.013 | o       | +.034      | -.030    | +.025     | +.021     | +.003 |
| Pachpadra . . . . .    | -.036    | +.026     | -.017  | p      | p     | p     | +.028 | +.045   | +.044      | -.027    | +.020     | +.014     | p     |
| Jacobabad . . . . .    | -.010    | +.050     | -.005  | p      | -.020 | -.006 | -.008 | -.017   | -.006      | -.041    | -.011     | -.003     | p     |
| Hyderabad . . . . .    | -.014    | +.054     | +.005  | +.003  | -.010 | -.022 | -.045 | -.023   | -.017      | -.055    | -.004     | +.007     | -.010 |
| Kurrachee . . . . .    | -.027    | +.029     | -.021  | -.018  | -.040 | -.010 | -.024 | -.005   | +.019      | -.071    | -.011     | -.004     | -.015 |
| Bhuj . . . . .         | -.038    | +.028     | -.014  | -.003  | -.015 | p     | p     | p       | +.048      | -.059    | -.001     | +.012     | p     |
| Rajkot . . . . .       | -.010    | p         | p      | p      | -.036 | o     | p     | p       | +.034      | -.066    | -.003     | +.009     | p     |
| Deesa . . . . .        | -.017    | +.028     | -.012  | +.002  | -.027 | +.001 | -.007 | +.001   | +.032      | -.076    | -.005     | +.007     | -.006 |
| Surat . . . . .        | +.002    | +.022     | +.004  | +.015  | -.030 | -.009 | -.006 | +.011   | +.038      | -.049    | +.010     | +.012     | +.002 |
| Malegaon . . . . .     | -.009    | +.024     | o      | +.013  | -.014 | -.003 | -.001 | +.005   | +.027      | -.051    | +.004     | +.017     | +.001 |
| Bombay . . . . .       | -.005    | +.007     | -.006  | +.006  | -.035 | -.020 | -.014 | +.003   | +.015      | -.046    | +.003     | +.012     | -.007 |
| Poona . . . . .        | -.008    | +.027     | +.003  | +.008  | -.021 | -.014 | -.014 | -.005   | +.014      | -.051    | +.005     | +.011     | -.004 |
| Sholapur . . . . .     | -.024    | +.003     | -.023  | -.012  | -.026 | -.025 | -.015 | -.003   | +.002      | -.050    | -.010     | -.009     | -.016 |
| Ratnagiri . . . . .    | -.003    | +.005     | p      | +.021  | -.017 | -.009 | -.003 | +.013   | +.010      | -.025    | +.027     | +.020     | p     |
| Belgaum . . . . .      | -.026    | -.003     | -.015  | -.005  | -.042 | -.012 | -.032 | -.021   | -.019      | -.047    | -.008     | o         | -.019 |
| Karwar . . . . .       | -.016    | -.012     | -.013  | -.001  | -.037 | -.022 | -.019 | -.004   | -.012      | -.019    | +.010     | +.011     | -.011 |
| Gopalpur . . . . .     | +.003    | +.031     | +.017  | +.011  | +.026 | -.003 | +.007 | -.001   | -.006      | -.029    | -.016     | -.001     | +.003 |
| Vizagapatam . . . . .  | -.010    | +.001     | -.003  | +.004  | +.007 | -.014 | -.011 | -.009   | -.009      | -.038    | -.024     | +.001     | -.009 |
| Rajahmundry . . . . .  | p        | p         | p      | p      | p     | -.012 | -.006 | -.007   | -.016      | -.051    | -.028     | -.004     | p     |
| Masulipatam . . . . .  | -.026    | -.014     | -.022  | -.009  | -.018 | -.026 | -.032 | -.034   | -.029      | -.059    | -.032     | -.001     | -.025 |
| Secunderabad . . . . . | -.018    | +.007     | -.019  | -.007  | -.017 | -.025 | -.022 | -.016   | -.007      | -.055    | -.012     | +.001     | -.016 |
| Kurnool . . . . .      | p        | +.017     | -.010  | -.007  | -.026 | -.009 | -.016 | -.004   | -.023      | -.043    | -.032     | -.021     |       |
| Bellary . . . . .      | -.027    | +.006     | -.018  | -.008  | -.028 | -.029 | -.032 | -.016   | +.009      | -.015    | +.011     | +.026     | -.010 |
| Mangalore . . . . .    | -.006    | -.002     | -.006  | +.002  | -.028 | -.024 | -.022 | -.005   | -.016      | -.033    | +.017     | +.021     | -.009 |
| Mercara . . . . .      | +.006    | +.008     | +.005  | +.012  | -.025 | -.017 | -.027 | -.018   | -.013      | -.018    | +.001     | +.011     | -.006 |
| Bangalore . . . . .    | -.013    | +.006     | -.011  | +.003  | -.024 | -.024 | -.032 | -.026   | -.021      | -.038    | -.016     | -.001     | -.016 |
| Cuddapah . . . . .     | p        | p         | p      | -.024  | -.034 | -.016 | -.014 | -.006   | -.018      | -.040    | -.024     | +.001     | p     |
| Madras . . . . .       | -.011    | +.005     | -.006  | +.009  | -.009 | -.008 | -.010 | -.012   | -.012      | -.037    | -.018     | +.001     | -.009 |
| Salem . . . . .        | o        | +.018     | +.009  | +.022  | -.004 | +.002 | -.017 | -.006   | -.007      | -.036    | -.011     | +.005     | -.002 |

TABLE XV A.—Comparison of monthly Mean Pressures in 1886, with the averages of 12 or less than 12 years, in the previous Table XIV—concluded.

| STATIONS.            | January. | February. | March. | April. | May.   | June.  | July.  | August. | September. | October. | November. | December. | Year.  |
|----------------------|----------|-----------|--------|--------|--------|--------|--------|---------|------------|----------|-----------|-----------|--------|
| Coimbatore . . .     | —'016    | + '006    | —'006  | + '002 | —'019  | —'023  | —'023  | —'016   | —'019      | —'031    | —'009     | + '003    | —'013  |
| Trichinopoly . . .   | + '001   | + '013    | + '003 | + '014 | —'014  | —'002  | —'008  | —'010   | —'011      | —'024    | + '002    | + '010    | —'002  |
| Negapatam . . .      | —'013    | + '005    | —'006  | + '016 | —'020  | —'010  | —'010  | —'012   | —'011      | —'030    | + '001    | + '010    | —'007  |
| Madura . . .         | + '008   | + '018    | + '001 | + '017 | —'022  | —'014  | —'019  | —'014   | —'013      | —'031    | + '001    | + '018    | —'004  |
| Cochin . . .         | —'025    | —'018     | —'024  | —'002  | —'038  | —'030  | —'023  | —'009   | —'017      | —'016    | —'001     | + '011    | —'016  |
| Colombo . . .        | —'011    | —'009     | —'014  | + '007 | —'028  | —'026  | —'033  | —'016   | —'018      | —'013    | + '001    | + '014    | —'012  |
| Jaffna . . .         | —'015    | + '003    | —'007  | + '010 | —'026  | —'018  | —'023  | —'013   | —'016      | —'026    | —'007     | + '009    | —'011  |
| Trincomalee . . .    | —'015    | —'009     | —'025  | + '005 | —'030  | —'019  | —'025  | —'019   | —'022      | —'033    | —'004     | + '019    | —'015  |
| Batticaloa . . .     | —'024    | —'011     | + '012 | 0      | —'037  | —'034  | —'043  | —'035   | —'035      | —'040    | —'018     | —'006     | —'023  |
| Hambantota . . .     | —'004    | + '001    | —'009  | —'009  | —'044  | —'029  | —'035  | —'025   | —'026      | —'019    | —'009     | + '003    | —'017  |
| Galle . . .          | —'006    | —'003     | —'007  | + '002 | —'033  | —'025  | —'034  | —'008   | —'010      | —'004    | + '008    | + '026    | —'008  |
| Kandy . . .          | —'007    | —'003     | —'004  | + '010 | —'011  | —'021  | p      | —'004   | p          | —'024    | + '004    | + '013    | p      |
| Newera Eliya . . .   | p        | p         | p      | p      | p      | + '008 | —'047  | + '001  | p          | + '009   | —'002     | p         | p      |
| Akyab . . .          | —'027    | —'007     | —'006  | + '014 | + '006 | —'010  | + '010 | + '012  | + '009     | —'015    | + '004    | + '015    | 0      |
| Thayetmyo . . .      | —'005    | + '001    | —'009  | + '013 | + '003 | —'010  | + '004 | + '007  | + '003     | —'016    | + '025    | + '022    | + '003 |
| Bassein . . .        | —'032    | —'006     | —'011  | + '001 | —'016  | —'028  | —'012  | —'013   | —'015      | —'018    | —'005     | + '005    | —'013  |
| Diamond Island . . . | —'030    | —'009     | —'006  | + '011 | —'024  | + '009 | + '030 | + '001  | 0          | —'017    | —'011     | + '015    | —'003  |
| Rangoon . . .        | —'011    | + '013    | —'001  | + '007 | + '010 | —'011  | + '002 | —'001   | —'007      | —'017    | + '009    | + '017    | + '001 |
| Moulmein . . .       | p        | p         | p      | p      | p      | p      | —'017  | —'022   | —'017      | —'024    | + '006    | + '015    | p      |
| Mergui . . .         | —'031    | —'021     | —'014  | + '004 | —'009  | —'009  | —'017  | + '010  | —'014      | —'009    | + '013    | —'006     | —'009  |
| Port Blair . . .     | —'016    | —'008     | —'013  | + '005 | + '017 | —'031  | —'024  | —'035   | —'031      | —'035    | p         | 0         | p      |
| Nancowry . . .       | —'008    | p         | p      | —'003  | —'004  | —'018  | —'035  | —'008   | —'009      | —'008    | —'001     | + '003    | p      |

TABLE XV B.—Comparison of monthly Mean Pressures in 1886, with the averages of more than 12 years.

| STATIONS.       | January. | February. | March. | April. | May.   | June.  | July.  | August. | September. | October. | November. | December. | Year. |
|-----------------|----------|-----------|--------|--------|--------|--------|--------|---------|------------|----------|-----------|-----------|-------|
| Mauritius . . . | + '019   | + '006    | —'031  | —'072  | + '034 | + '010 | —'043  | —'039   | —'001      | + '030   | + '044    | + '020    | —'002 |
| Lahore . . .    | —'007    | + '026    | —'008  | + '010 | —'001  | + '019 | + '004 | —'013   | —'021      | —'013    | —'014     | —'010     | —'002 |
| Roorkee . . .   | —'006    | + '011    | + '002 | —'010  | + '018 | + '015 | —'005  | —'014   | —'010      | —'011    | + '001    | —'013     | —'002 |
| Ranikhet . . .  | + '011   | + '011    | + '010 | + '001 | + '011 | —'002  | —'014  | —'027   | —'019      | —'012    | + '003    | —'005     | —'003 |

TABLE XV B.—Comparison of monthly Mean Pressures in 1886, with the averages of more than 12 years—continued.

| STATIONS.                    | January. | February. | March. | April. | May.   | June.  | July.  | August. | September. | October. | November. | December. | Year.  |
|------------------------------|----------|-----------|--------|--------|--------|--------|--------|---------|------------|----------|-----------|-----------|--------|
| Meerut . . . . .             | —'009    | + '014    | + '003 | 0      | + '014 | + '019 | + '001 | —'006   | —'003      | —'017    | —'002     | —'008     | + '001 |
| Lucknow . . . . .            | + '006   | + '013    | + '008 | + '005 | + '027 | + '025 | + '019 | + '002  | + '007     | —'015    | —'003     | —'005     | + '007 |
| Benares . . . . .            | —'005    | + '009    | —'006  | —'008  | + '005 | + '004 | + '006 | + '015  | + '005     | —'022    | —'002     | —'004     | 0      |
| Sibsagar . . . . .           | —'020    | —'019     | —'008  | —'003  | + '023 | —'005  | —'004  | —'002   | —'008      | —'015    | + '021    | + '009    | —'003  |
| Silchar . . . . .            | —'009    | —'007     | —'004  | —'004  | + '008 | —'010  | 0      | —'007   | —'001      | —'025    | —'014     | —'006     | —'007  |
| Darjeeling . . . . .         | + '017   | —'009     | + '020 | —'007  | + '023 | + '013 | 0      | —'005   | + '003     | + '004   | + '006    | —'001     | + '005 |
| Patna . . . . .              | + '007   | + '007    | + '009 | + '001 | + '036 | + '016 | + '013 | + '001  | + '005     | —'014    | —'003     | —'006     | + '006 |
| Hazaribagh . . . . .         | —'002    | + '010    | + '003 | + '012 | + '025 | + '020 | + '015 | + '016  | + '011     | —'006    | + '001    | + '004    | —'009  |
| Berhampore . . . . .         | 0        | + '006    | + '011 | + '005 | + '039 | + '019 | + '008 | + '008  | + '003     | —'003    | 0         | + '001    | + '008 |
| Burdwan . . . . .            | —'007    | + '002    | + '016 | 0      | + '029 | + '002 | + '003 | + '013  | —'001      | —'014    | —'015     | —'002     | + '002 |
| Jessore . . . . .            | —'011    | 0         | + '003 | —'007  | + '027 | + '002 | + '003 | + '009  | —'003      | —'014    | —'014     | —'002     | —'001  |
| Dacca . . . . .              | —'003    | + '007    | + '016 | + '001 | + '029 | + '004 | + '009 | + '011  | + '008     | —'011    | —'001     | + '005    | + '006 |
| Chittagong . . . . .         | —'015    | —'003     | + '001 | + '001 | + '013 | —'002  | 0      | + '006  | 0          | —'019    | —'009     | + '002    | —'002  |
| Calcutta (Alipore) . . . . . | —'005    | + '016    | + '010 | —'007  | + '037 | + '002 | + '009 | + '015  | + '003     | —'008    | —'012     | —'003     | + '005 |
| Saugor Island . . . . .      | —'001    | + '013    | + '004 | —'012  | + '026 | + '008 | + '017 | + '026  | + '009     | + '004   | —'005     | + '003    | + '008 |
| Cuttack . . . . .            | + '002   | + '024    | —'003  | + '008 | + '013 | —'008  | —'009  | —'009   | —'017      | —'022    | —'009     | —'002     | —'003  |
| False Point . . . . .        | + '001   | + '015    | + '007 | —'003  | + '017 | —'019  | —'009  | —'005   | —'017      | —'017    | —'025     | —'006     | —'005  |
| Nagpur . . . . .             | —'002    | + '022    | —'001  | + '004 | —'007  | —'002  | —'003  | —'006   | + '017     | —'047    | —'018     | + '010    | —'003  |
| Seoni . . . . .              | + '003   | + '024    | —'006  | —'009  | —'012  | —'006  | —'003  | + '003  | + '020     | —'045    | —'007     | + '001    | —'003  |
| Jubbulpore . . . . .         | —'003    | + '023    | —'005  | —'003  | —'011  | + '004 | + '001 | + '004  | + '024     | —'040    | —'009     | + '003    | —'001  |
| Bombay . . . . .             | + '004   | + '016    | + '002 | + '008 | —'032  | —'004  | —'002  | + '004  | + '019     | —'041    | —'004     | + '012    | —'002  |
| Vizagapatam . . . . .        | + '002   | + '010    | + '003 | + '003 | + '014 | —'014  | —'008  | —'010   | —'007      | —'029    | —'028     | —'001     | —'005  |
| Masulipatam . . . . .        | —'016    | —'004     | —'017  | —'005  | —'009  | —'021  | —'025  | —'033   | —'022      | —'048    | —'036     | —'002     | —'020  |
| Secunderabad . . . . .       | —'010    | + '010    | —'014  | —'005  | —'008  | —'019  | —'020  | —'016   | —'002      | —'047    | —'013     | —'001     | —'012  |
| Bellary . . . . .            | —'022    | + '008    | —'016  | —'011  | —'031  | —'026  | —'031  | —'018   | + '012     | —'011    | + '006    | + '025    | —'010  |
| Bangalore . . . . .          | —'008    | + '010    | —'007  | + '004 | —'022  | —'021  | —'031  | —'028   | —'021      | —'035    | —'021     | —'003     | —'015  |
| Madras . . . . .             | 0        | + '013    | —'001  | + '014 | —'006  | —'002  | —'003  | —'013   | —'003      | —'026    | —'025     | + '002    | —'004  |
| Salem . . . . .              | + '006   | + '026    | + '013 | + '022 | —'003  | + '004 | —'018  | —'008   | —'004      | —'026    | —'019     | + '001    | —'001  |
| Wellington . . . . .         | + '025   | + '039    | + '026 | + '040 | + '007 | + '016 | + '008 | + '009  | + '022     | + '009   | + '019    | + '020    | + '020 |
| Coimbatore . . . . .         | —'010    | + '014    | 0      | + '006 | —'013  | —'014  | —'016  | —'011   | —'010      | —'019    | —'010     | + '004    | —'007  |
| Trichinopoly . . . . .       | + '008   | + '020    | 0      | + '015 | —'015  | + '005 | + '001 | —'005   | + '001     | —'012    | + '003    | + '012    | + '003 |
| Negapatam . . . . .          | —'005    | + '012    | —'002  | + '017 | —'017  | —'005  | —'008  | —'012   | —'006      | —'021    | —'003     | + '007    | —'004  |
| Madura . . . . .             | + '021   | + '030    | + '012 | + '023 | —'011  | —'002  | —'010  | —'006   | —'002      | —'018    | + '002    | + '018    | —'005  |
| Cochin . . . . .             | —'015    | —'012     | —'020  | —'003  | —'036  | —'026  | —'022  | —'010   | —'014      | —'013    | —'007     | + '005    | —'014  |

TABLE XV B.—*Comparison of monthly Mean Pressures in 1886, with the averages of more than 12 years—concluded.*

| STATIONS.          | January. | February. | March. | April. | May.   | June.  | July.  | August. | September. | October. | November. | December. | Year.  |
|--------------------|----------|-----------|--------|--------|--------|--------|--------|---------|------------|----------|-----------|-----------|--------|
| Colombo . . .      | —'003    | —'004     | —'008  | + '009 | —'026  | —'019  | —'029  | —'012   | —'013      | —'009    | + '003    | + '015    | —'008  |
| Jaffna . . .       | —'011    | + '010    | —'003  | + '011 | —'024  | —'012  | —'020  | —'011   | —'010      | —'018    | —'006     | + '009    | —'007  |
| Trincomalee . . .  | —'009    | —'001     | —'021  | + '007 | —'027  | —'013  | —'020  | —'015   | —'014      | —'025    | —'012     | + '011    | —'012  |
| Batticaloa . . .   | —'020    | —'004     | + '018 | + '004 | —'033  | —'025  | —'037  | —'031   | —'028      | —'031    | —'017     | —'008     | —'018  |
| Hambantota . . .   | —'002    | + '003    | —'007  | —'008  | —'042  | —'026  | —'031  | —'021   | —'020      | —'015    | —'011     | —'010     | —'016  |
| Galle . . .        | + '001   | + '002    | —'002  | + '005 | —'032  | —'017  | —'028  | —'003   | —'004      | + '002   | + '012    | + '025    | —'003  |
| Kandy . . .        | + '002   | + '003    | + '002 | + '013 | —'009  | —'015  | P      | + '003  | P          | —'017    | + '006    | + '017    | P      |
| Newera Eliya . . . | —'004    | —'019     | —'022  | —'022  | —'004  | + '006 | —'047  | —'001   | + '012     | + '008   | —'002     | + '012    | —'007  |
| Akyab . . .        | —'011    | + '003    | + '005 | + '013 | + '013 | —'011  | + '006 | + '012  | + '011     | —'007    | —'004     | + '013    | + '004 |
| Port Blair . . .   | —'004    | 0         | —'002  | + '011 | —'009  | —'025  | —'017  | —'028   | —'021      | —'025    | P         | + '007    | P      |
| Nancowry . . .     | —'006    | P         | P      | —'002  | + '002 | —'008  | —'028  | —'004   | —'003      | —'002    | —'001     | + '002    | P      |

TABLE XVI.—*Geographical Summary of the differences of Table XV A.*

| PROVINCES.                                   | Stations. | January. | February. | March. | April. | May.   | June.  | July.  | August. | September. | October. | November. | December. | Year.  |
|----------------------------------------------|-----------|----------|-----------|--------|--------|--------|--------|--------|---------|------------|----------|-----------|-----------|--------|
| North-Western Himalaya.                      | 7—8       | —'013    | —'008     | —'025  | + '005 | + '008 | + '001 | —'004  | —'011   | —'005      | —'002    | + '014    | —'004     | —'004  |
| Sikkim Himalaya and Nepal.                   | 1—2       | + '017   | —'009     | + '020 | —'007  | + '023 | + '025 | + '011 | 0       | —'003      | —'004    | + '004    | —'008     | + '006 |
| Punjab Plains .                              | 9         | —'011    | + '024    | —'018  | + '014 | + '002 | + '016 | + '002 | —'007   | —'015      | —'017    | + '001    | —'003     | —'001  |
| Gangetic Plains .                            | 13        | —'005    | + '008    | + '007 | + '005 | + '022 | + '019 | + '011 | + '003  | + '006     | —'015    | + '010    | —'001     | + '006 |
| Western Rajputana, Sind, Cutch, and Guzerat. | 6—9       | —'023    | + '031    | —'013  | —'002  | —'024  | —'003  | —'009  | 0       | + '023     | —'053    | + '001    | + '008    | —'005  |
| Eastern Rajputana and Central India.         | 9         | —'010    | + '025    | —'011  | + '004 | —'009  | + '011 | + '002 | + '005  | + '029     | —'038    | + '004    | + '005    | + '001 |
| Nerbudda Valley                              | 3         | —'013    | + '033    | + '005 | + '005 | —'013  | 0      | —'003  | + '002  | + '024     | —'055    | —'005     | + '008    | —'001  |
| Chutia Nagpur .                              | 1         | —'005    | + '005    | + '003 | + '013 | + '021 | + '018 | + '014 | + '019  | + '006     | —'011    | + '010    | + '009    | + '009 |
| Lower Bengal .                               | 6         | —'009    | 0         | + '009 | 0      | + '020 | + '002 | + '008 | + '011  | —'003      | —'016    | + '001    | + '004    | + '002 |
| Assam and Cachar                             | 3         | —'019    | —'017     | —'008  | —'003  | + '012 | —'006  | —'002  | —'004   | —'004      | —'025    | + '013    | + '006    | —'005  |
| Orissa and Sambalpur.                        | 4         | + '001   | + '020    | + '012 | + '013 | + '022 | + '003 | + '005 | + '005  | —'004      | —'022    | —'004     | + '006    | + '005 |
| Central Provinces, South and Berar           | 9—10      | —'012    | + '014    | —'008  | + '003 | —'009  | —'010  | —'011  | —'004   | + '013     | —'047    | —'012     | + '004    | —'007  |
| Konkan . . .                                 | 3—4       | —'006    | + '006    | —'005  | + '010 | —'030  | —'015  | —'011  | + '006  | + '013     | —'035    | + '013    | + '014    | —'003  |
| Malabar Coast .                              | 2         | —'016    | —'010     | —'015  | 0      | —'033  | —'027  | —'023  | —'007   | —'017      | —'025    | + '008    | + '016    | —'012  |
| Deccan, Hyderabad, and Mysore.               | 8—9       | —'015    | + '011    | —'010  | 0      | —'025  | —'018  | —'021  | —'012   | —'003      | —'041    | —'006     | + '004    | —'011  |
| East Coast and Carnatic.                     | 8—10      | —'008    | + '007    | —'004  | + '006 | —'013  | —'011  | —'010  | —'011   | —'013      | —'037    | —'013     | + '006    | —'008  |
| Ceylon . . .                                 | 6—7       | —'012    | —'004     | —'008  | + '004 | —'030  | —'025  | —'032  | —'017   | —'021      | —'023    | —'004     | + '011    | —'013  |

TABLE XVI.—*Geographical Summary of the differences of Table XV A—continued.*

| PROVINCES.                | Stations. | January. | February. | March. | April. | May.  | June. | July. | August. | September. | October. | November. | December. | Year. |
|---------------------------|-----------|----------|-----------|--------|--------|-------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Arakan and Pegu           | 5-6       | -.021    | -.002     | -.006  | +.009  | +.002 | -.009 | +.006 | +.002   | -.002      | -.018    | +.003     | +.013     | -.002 |
| Tenasserim                | 1-2       | -.031    | -.021     | -.014  | +.004  | -.009 | -.009 | -.017 | -.006   | -.016      | -.017    | +.005     | +.005     | -.011 |
| Bay Islands               | 1-2       | -.012    | -.008     | -.013  | +.001  | -.011 | -.025 | -.030 | -.022   | -.020      | -.022    | -.001     | +.002     | -.013 |
| Mean of all the Stations. | 114-121   | -.011    | +.009     | -.006  | +.004  | -.004 | -.002 | -.005 | -.002   | +.002      | -.027    | -.001     | +.004     | -.003 |

The above tables shew the variations in the horizontal distribution of pressure. Its variations in a vertical direction, or, in other words, the varying density of the lowest stratum, which lies between the level of the plains and that of the hill stations, is shewn approximately by the differences of pressure on the former and at the latter; observing however, that, as there must always be an interval of some miles between any hill station and the nearest station on the plains, these differences must also be affected to some small extent by a horizontal difference, of an amount not accurately determinable. If the pairs of stations are well selected, this horizontal difference will, however, not be large when a comparison is made of the average pressures of a whole month; and if considerable accuracy is required, an approximate correction may be deduced, by considering the course of the isobars on the monthly charts, and the relative positions of the stations. For the present purpose, which is merely to compare the barometric weights of the lower air stratum, in each month, with that furnished by the average of many years, this precaution may be dispensed with; since the variations in the average course of the isobars, in the corresponding months of different years, are not sufficiently great, in most parts of India, appreciably to affect the results of such a comparison.

The following tables, XVII and XVIII, give the average differences of pressure at nine hill stations, and the nearest stations on the plains below, *viz.*, five Himalayan hill stations, one in Western, and three in peninsular India—the averages being in no case taken from less than six years. The pairs of stations selected, together with their horizontal distances and differences of elevation, are as follow:—

| PAIRS OF STATIONS. |             | Horizontal distance. | ELEVATION IN FEET. |        | Difference. |
|--------------------|-------------|----------------------|--------------------|--------|-------------|
| Hills.             | Plains.     |                      | Upper.             | Lower. |             |
| I.—Murree          | Rawalpindi  | 30 miles.            | 6,344              | 1,652  | 4,692       |
| II.—Simla          | Ludhiana    | 80 "                 | 7,048              | 812    | 6,236       |
| III.—Chakrata      | Roorkee     | 58 "                 | 7,052              | 887    | 6,165       |
| IV.—Ranikhet       | Bareilly    | 90 "                 | 6,069              | 568    | 5,501       |
| V.—Darjeeling      | Dhubri      | 116 "                | 7,421              | 115    | 7,306       |
| VI.—Mount Abu      | Deesa       | 40 "                 | 3,945              | 466    | 3,479       |
| VII.—Pachmarhi     | Hoshangabad | 48 "                 | 3,511              | 1,020  | 2,491       |
| VIII.—Chikalda     | Amraoti     | 40 "                 | 3,642              | 1,213  | 2,429       |
| IX.—Wellington     | Coimbatore  | 20 "                 | 6,200              | 1,348  | 4,852       |



TABLE XVII.—Average Differences of Pressure at Hill and Plain Stations.

|                                 | Years. | January. | February. | March. | April. | May.  | June. | July. | August. | September. | October. | November. | December. |
|---------------------------------|--------|----------|-----------|--------|--------|-------|-------|-------|---------|------------|----------|-----------|-----------|
| I.—Murree and Rawalpindi.       | 12     | 4'489    | 4'479     | 4'389  | 4'393  | 4'229 | 4'154 | 4'163 | 4'192   | 4'227      | 4'312    | 4'408     | 4'466     |
| II.—Simla and Ludhiana.         | 12     | 5'938    | 5'925     | 5'800  | 5'681  | 5'611 | 5'540 | 5'569 | 5'592   | 5'635      | 5'726    | 5'854     | 5'924     |
| III.—Chakrata and Roorkee.      | 12     | 5'856    | 5'844     | 5'718  | 5'601  | 5'547 | 5'482 | 5'517 | 5'538   | 5'568      | 5'661    | 5'771     | 5'835     |
| IV.—Ranikhet and Bareilly.      | 12     | 5'338    | 5'307     | 5'197  | 5'095  | 5'048 | 5'002 | 5'018 | 5'050   | 5'082      | 5'169    | 5'258     | 5'330     |
| V.—Darjeeling and Dhubri.       | 10—11  | 6'972    | 6'932     | 6'804  | 6'722  | 6'686 | 6'626 | 6'613 | 6'624   | 6'657      | 6'746    | 6'824     | 6'918     |
| VI.—Mount Abu and Deesa.        | 6—8    | 3'412    | 3'394     | 3'346  | 3'307  | 3'269 | 3'278 | 3'301 | 3'319   | 3'327      | 3'329    | 3'374     | 3'407     |
| VII.—Pachmarhi and Hoshangabad. | 12     | 2'56     | 2'434     | 2'384  | 2'351  | 2'334 | 2'342 | 2'370 | 2'376   | 2'373      | 2'389    | 2'427     | 2'453     |
| VIII.—Chikalda and Amraoti.     | 10—11  | 2'356    | 2'334     | 2'290  | 2'268  | 2'247 | 2'269 | 2'294 | 2'297   | 2'297      | 2'304    | 2'337     | 2'362     |
| IX.—Wellington and Coimbatore.  | 9—10   | 4'344    | 4'313     | 4'277  | 4'250  | 4'249 | 4'279 | 4'283 | 4'287   | 4'301      | 4'295    | 4'313     | 4'337     |

TABLE XVIII.—Comparison of Pressure Differences in 1886, with the averages of Table XVII.

|                                 | January. | February. | March. | April. | May.   | June.  | July.  | August. | September. | October. | November. | December. |
|---------------------------------|----------|-----------|--------|--------|--------|--------|--------|---------|------------|----------|-----------|-----------|
| I.—Murree and Rawalpindi .      | —'002    | + '019    | + '006 | — '003 | + '003 | + '017 | + '010 | + '005  | — '007     | — '010   | — '019    | + '011    |
| II.—Simla and Ludhiana .        | — '008   | + '006    | + '010 | + '008 | — '006 | + '006 | + '002 | + '003  | — '011     | — '014   | — '024    | — '021    |
| III.—Chakrata and Roorkee .     | 0        | — '005    | + '015 | — '008 | — '001 | + '010 | + '001 | + '001  | + '001     | — '015   | — '004    | — '017    |
| IV.—Ranikhet and Bareilly .     | — '022   | — '001    | — '003 | — '004 | + '012 | + '025 | + '018 | + '022  | + '023     | + '004   | + '006    | — '001    |
| V.—Darjeeling and Dhubri .      | — '035   | — '005    | — '012 | + '005 | + '010 | — '013 | 0      | + '007  | + '005     | — '025   | + '010    | + '010    |
| VI.—Mount Abu and Deesa .       | — '002   | + '003    | + '003 | — '017 | — '016 | — '019 | — '013 | — '007  | — '014     | — '049   | — '031    | — '014    |
| VII.—Pachmarhi and Hoshangabad. | — '006   | + '003    | — '008 | — '009 | — '022 | — '009 | — '010 | — '018  | — '014     | — '004   | — '007    | + '006    |
| VIII.—Chikalda and Amraoti .    | — '002   | — '007    | + '007 | — '011 | — '010 | — '008 | — '002 | — '004  | — '019     | — '008   | — '016    | — '008    |
| IX.—Wellington and Coimbatore.  | — '037   | — '024    | — '025 | — '032 | — '020 | — '028 | — '013 | — '012  | — '037     | — '024   | — '023    | — '019    |

*January.*—The pressure had been considerably above the average over the whole of India during the months of September, October, and November 1885. This excessive pressure almost disappeared in December. The mean pressure of the month of January was '011" below the average with respect to this general condition. Pressure was locally in defect in Southern India, whilst it was in excess over the whole of Northern and Central India. The local variations from the average state were almost without exception small. There was apparently a very considerable local excess of pressure on the Sikkim Himalayas, where pressure was '017" in excess of the normal or '017" + '011", i.e., '028" in excess of the average pressure condition of the month for the whole of India. There was a much smaller local excess in Orissa ('012") and a defect in Arakan and Pegu which amounted to '010". Table XV shows that pressure was in excess at Darjeeling as compared with the neighbouring plains and also at Wellington in Southern India.

| STATIONS.                  | Fall from 10 A. M. of the 18th<br>to 10 A. M. of the 19th. |
|----------------------------|------------------------------------------------------------|
| Peshawar . . . . .         | '457"                                                      |
| Dera Ismail Khan . . . . . | '393"                                                      |
| Murree . . . . .           | '346"                                                      |
| Mooltan . . . . .          | '302"                                                      |
| Lahore . . . . .           | '277"                                                      |
| Rawalpindi . . . . .       | '242"                                                      |
| Sialkot . . . . .          | '216"                                                      |
| Delhi . . . . .            | '180"                                                      |
| Simla . . . . .            | '134"                                                      |

| STATIONS.                  | Rise from 10 A. M. of 19th<br>to 10 A. M. of 20th. |
|----------------------------|----------------------------------------------------|
| Peshawar . . . . .         | '273"                                              |
| Dera Ismail Khan . . . . . | '233"                                              |
| Mooltan . . . . .          | '143"                                              |
| Murree . . . . .           | '105"                                              |
| Rawalpindi . . . . .       | '059"                                              |
| Lahore . . . . .           | '133"                                              |
| Delhi . . . . .            | '027"                                              |

Neither the charts of the 20th or 21st show the presence of an area of low pressure in Northern India. The depression disappeared completely before the morning of the 20th, although it influenced the weather until the evening of that day. This was shewn by the extension of rainfall from the hills of the Punjab to those of the North-West Provinces on the 19th, and by the occurrence of light showers on the 20th in the eastern districts of the North-West Provinces and Behar.

A second disturbance similar in character occurred on the small scale on the 23rd. The barometer fell rather rapidly on the 22nd, and a slight depression appeared in the North Punjab on the morning of the 23rd. Light showers of rain or snow fell on that day, but the depression filled up, and the rain ceased without extending eastwards along the Himalaya and Gangetic plain as it did on the preceding occasion. From the 23rd to the 30th clear fine light weather with anticyclonic conditions prevailed over Northern India, after which a moderately rapid fall of the barometer ensued.

The following gives the amount of the fall at several stations :—

| STATIONS.                  | Fall from 10 A.M. of 30th to 10 A.M. of 31st. |
|----------------------------|-----------------------------------------------|
| Peshawar . . . . .         | ·180"                                         |
| Dera Ismail Khan . . . . . | ·178"                                         |
| Mooltan . . . . .          | ·211"                                         |
| Lahore . . . . .           | ·155"                                         |
| Delhi . . . . .            | ·152"                                         |
| Simla . . . . .            | ·109"                                         |
| Murree . . . . .           | ·179"                                         |
| Rawalpindi . . . . .       | ·171"                                         |
| Bareilly . . . . .         | ·047"                                         |
| Jacobabad . . . . .        | ·060"                                         |

The barometer rose more slowly but steadily from the 1st to the 3rd of February, as is shown by the following :—

|                            | Rise from 10 A.M. of 31st to 10 A.M. of 1st. | Rise from 10 A.M. of 1st to 10 A.M. of 2nd. | Rise from 10 A.M. of 2nd to 10 A.M. of 3rd. | TOTAL RISE. |
|----------------------------|----------------------------------------------|---------------------------------------------|---------------------------------------------|-------------|
| Peshawar . . . . .         | ·081"                                        | ·036"                                       | ·192"                                       | ·309"       |
| Dera Ismail Khan . . . . . | ·054"                                        | ·066"                                       | ·216"                                       | ·336"       |
| Mooltan . . . . .          | —·011"                                       | ·132"                                       | ·165"                                       | ·286"       |
| Lahore . . . . .           | ·066"                                        | ·080"                                       | ·148"                                       | ·294"       |
| Delhi . . . . .            | ·041"                                        | ·100"                                       | ·103"                                       | ·244"       |
| Simla . . . . .            | —·026"                                       | ·024"                                       | ·042"                                       | ·040"       |
| Murree . . . . .           | ·014"                                        | —·010"                                      | ·140"                                       | ·144"       |
| Rawalpindi . . . . .       | ·072"                                        | ·031"                                       | ·193"                                       | ·296"       |
| Bareilly . . . . .         | —·064"                                       | ·070"                                       | ·071"                                       | ·075"       |
| Jacobabad . . . . .        | ·103"                                        | ·052"                                       | ·123"                                       | ·278"       |

This barometric movement was hence different in character to some degree from the preceding. There was however no translation of a condition of low pressure or a cyclonic whirl from Afghanistan through the Punjab. It can apparently only be explained by the assumption of some oscillatory action which produced first of all a large and rapid decrease and immediately afterwards a steady prolonged and large increase of pressure.

The period of falling barometer preceded and accompanied heavy snowfall on the Safid Koh Mountains to the west of the Indus Valley, and was followed by light rain in those to the east of the Punjab. But in this, as on the previous case, there was no transmission of effect eastwards or southwards beyond the Punjab. The large fall of the barometer in the Indus Valley and the subsequent larger rise were apparently directly related to the general conditions preceding and following the snowfall in the mountains of Afghanistan.

*February.*—The mean pressure of the whole of India for the month of February was + '009" above the normal pressure. The local variations were rather large. They were positive in the Punjab, Rajputana, Nerbudda Valley, Orissa, Central Provinces, and the Deccan, and negative in all other districts. The positive local variations exceeded '01" in the following districts :—

| PROVINCES.                | Barometric excess. |
|---------------------------|--------------------|
| Punjab . . . . .          | + '015"            |
| Rajputana . . . . .       | + '019"            |
| Nerbudda Valley . . . . . | + '024"            |
| Orissa . . . . .          | + '011"            |

and the negative variations exceeded '01" in—

| PROVINCES                | Barometric defect. |
|--------------------------|--------------------|
| Himalayan area . . . . . | — '017"            |
| Assam . . . . .          | — '026"            |
| Malabar . . . . .        | — '019"            |
| Ceylon . . . . .         | — '013"            |
| Arakan . . . . .         | — '011"            |
| Bay Islands . . . . .    | — '017"            |

The local variations were thus rather larger than they had been in January. Amongst the more remarkable variations of the small areas represented by single stations, the following are the more remarkable :—

| STATIONS.                  | Relative barometric excess or defect. |
|----------------------------|---------------------------------------|
| Jacobabad . . . . .        | + '041"                               |
| Quetta . . . . .           | + '033"                               |
| Mooltan . . . . .          | + '031"                               |
| Dera Ismail Khan . . . . . | + '032"                               |
| Agra . . . . .             | + '024"                               |
| Jhansi . . . . .           | + '041"                               |
| Jeypore . . . . .          | + '024"                               |
| Ajmere . . . . .           | + '026"                               |
| Leh . . . . .              | — '076"                               |

The chief feature shown by these figures was a very considerable excess of pressure over the Indus Valley and in the neighbouring districts of Beluchistan, and also in the area represented by the stations of Agra, Jhansi, Ajmere, Jeypore, or East and Central Rajputana. Table XVIII shows that the difference between the pressure at the hill stations and the adjacent plain stations was practically identical with the normal, except in Southern India, where the observations at Wellington and Coimbatore prove that although pressure was in defect in the lower strata, it was slightly in excess in the higher strata at the elevation of Wellington.

The first week of February, like the first week of the preceding month, was marked by high pressure and by anticyclonic conditions in Upper India. The disturbance in the Punjab and Afghanistan on the 31st and 1st was followed by a wave of cold, which travelled eastward at an average rate of about 12 miles per hour, or probably with the velocity of the winds that prevailed at some little distance above the earth's surface. The highest pressures during this cool and dry period were observed on the morning of the 9th. The following were the highest barometric readings reduced to sea-level at three stations in the north of the Punjab :—

|                            |         |
|----------------------------|---------|
| Peshawar . . . . .         | 30°352" |
| Dera Ismail Khan . . . . . | 351"    |
| Rawalpindi . . . . .       | 346"    |

The barometer oscillated rapidly and irregularly until the 12th, when a prolonged and large fall commenced and extended over the next 96 hours.

The following gives the daily and total amount of the fall at several stations :—

|                            | Fall from 10 A.M. of the 12th Feb. to 10 A.M. of the 13th. | Fall from 10 A.M. of the 13th Feb. to 10 A.M. of the 14th. | Fall from 10 A.M. of the 14th Feb. to 10 A.M. of the 15th. | Fall from 10 A.M. of the 15th Feb. to 10 A.M. of the 16th. | TOTAL. |
|----------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|--------|
| Peshawar . . . . .         | ·113"                                                      | ·082"                                                      | ·098"                                                      | ·360"                                                      | ·653"  |
| Dera Ismail Khan . . . . . | ·094"                                                      | ·101"                                                      | ·082"                                                      | ·328"                                                      | ·605"  |
| Mooltan . . . . .          | ·088"                                                      | ·120"                                                      | ·088"                                                      | ·279"                                                      | ·575"  |
| Jacobabad . . . . .        | ·095"                                                      | ·090"                                                      | ·087"                                                      | ·089"                                                      | ·361"  |
| Deesa . . . . .            | ·024"                                                      | ·096"                                                      | ·131"                                                      | +·033"                                                     | ·218"  |
| Jeypore . . . . .          | ·054"                                                      | ·071"                                                      | ·154"                                                      | ·132"                                                      | ·411"  |
| Agra . . . . .             | ·069"                                                      | ·063"                                                      | ·082"                                                      | ·131"                                                      | ·345"  |
| Delhi . . . . .            | ·056"                                                      | ·028"                                                      | ·124"                                                      | ·116"                                                      | ·324"  |
| Lahore . . . . .           | ·110"                                                      | ·050"                                                      | ·114"                                                      | ·325"                                                      | ·599"  |
| Rawalpindi . . . . .       | ·104"                                                      | ·042"                                                      | ·094"                                                      | ·365"                                                      | ·605"  |
| Murree . . . . .           | ·051"                                                      | ·054"                                                      | ·096"                                                      | ·351"                                                      | ·552"  |
| Simla . . . . .            | ·049"                                                      | Rise of +·015"                                             | ·068"                                                      | ·147"                                                      | ·249"  |
| Chakrata . . . . .         | ·078"                                                      | Rise of +·025"                                             | ·056"                                                      | ·071"                                                      | ·180"  |
| Sirsa . . . . .            | ·080"                                                      | ·070"                                                      | ·150"                                                      | ·161"                                                      | ·461"  |

These figures are remarkable. They shew that in the narrow confined space of the Punjab a very large and rapid fall of the barometer occurred. The local barometric differences in the North Punjab were small on the 13th, 14th, and 15th, but were very large between the Punjab and adjacent districts to the south, whilst the fall was as large at the elevation of Murree as at the level of the plains 6,500 feet lower. The barometric move-

ment of the 13th to the 15th merely effaced the anticyclonic conditions of high pressure previously established, but the rapid fall of the 16th produced a deep depression covering the whole of the Punjab. A very rapid rise of the barometer during the next 24 hours completely obliterated this depression. The following is the increase of pressure at the stations in the previous list during the 24 hours from 10 A.M. of the 16th to 10 A.M. of the 17th:—

| STATIONS.                  | Barometric rise. |
|----------------------------|------------------|
| Peshawar . . . . .         | ·484"            |
| Dera Ismail Khan . . . . . | ·456"            |
| Mooltan . . . . .          | ·405"            |
| Jacobabad . . . . .        | ·223"            |
| Deesa . . . . .            | ·181"            |
| Jeypore . . . . .          | ·301"            |
| Agra . . . . .             | ·246"            |
| Delhi . . . . .            | ·252"            |
| Lahore . . . . .           | ·402"            |
| Rawalpindi . . . . .       | ·442"            |
| Murree . . . . .           | ·314"            |
| Simla . . . . .            | ·052"            |
| Chakrata . . . . .         | ·023"            |

The charted observations show even more plainly than the figures that a very rapid fall of the barometer extending over four days produced a deep depression in the Punjab on the 14th, which was filled upon the 15th by an even more rapid rise, the character of the rise being exactly similar to that of the preceding fall over the Punjab and the adjacent districts to the south. They also indicate most clearly that the disturbance was not due to the translation of a state or of a cyclonic whirl across the Punjab, but to the production and disappearance of an abnormal state of pressure by local actions in the superjacent atmosphere. These causes are to be sought for in the following conditions:—

1. The narrow confined geographical conditions of the Punjab.
2. The occurrence of ascending currents in the upper south-west humid current, the existence of which is proved by the occasional formation of cloud and the occurrence of snow and rainfall and also by the upper cloud movement.
3. Upheaval or vertical expansion (with little lateral motion) which necessarily precedes or accompanies rain or snow.
4. The cooling of the air to or below the freezing point which takes place after the snow fall in the hills to comparatively low altitudes, depending mainly upon the height of the snow line immediately after the storm.
5. The downrush of cool dry air (after the stormy weather has passed away) from the neighbouring hills into the adjacent valleys and plains.

What proportion each of these causes bear to the production of the effect is doubtful and probably varies with the conditions.

Little is known of the snowfall in Afghanistan at this period. It is, however, reported that a very heavy fall occurred in the hills to the west of Peshawar and Dera Ismail Khan on the 15th and 16th. 10 to 15 feet are stated to have fallen on the Safid Koh, and 2 feet in the Kurram Valley.

No depression appeared in the Upper Indus Valley during the latter part of the month.

The normal cold weather conditions of high pressure and fine clear weather continued until the 26th, when a slight depression appeared in Sind and passed away almost immediately and affected the weather very little.

*March.*—The mean pressure was slightly below the normal, the deficiency averaging  $-.006''$  for the whole of India. The variations from the general or average state were less marked than during the preceding months of January and February. Over the greater part of Northern India pressure was very slightly in excess of the normal, and the variations relative to the mean pressure conditions ( $.006''$  in defect) were considerably in excess in the following districts:—

|                                |          |
|--------------------------------|----------|
| Sikkim Himalaya . . . . .      | $.026''$ |
| Orissa . . . . .               | $.018''$ |
| Bengal . . . . .               | $.015''$ |
| North-West Provinces . . . . . | $.013''$ |
| Nerbudda Valley . . . . .      | $.011''$ |

There was a slight local deficiency in the Punjab and adjacent hill districts. The only marked feature in the pressure at the hill stations was an excess at Wellington, which contrasted strongly with the slight deficiency of pressure which prevailed in the plain districts of Southern India.

The following gives the most important local variations in the smaller areas represented by a single station:—

| STATIONS.             | Relative<br>barometric<br>excess or defect. |
|-----------------------|---------------------------------------------|
| Leh . . . . .         | $-.076''$                                   |
| Peshawar . . . . .    | $-.034''$                                   |
| Kailang . . . . .     | $-.036''$                                   |
| False Point . . . . . | $+.020''$                                   |
| Sambalpur . . . . .   | $+.025''$                                   |
| Burdwan . . . . .     | $+.020''$                                   |
| Gopalpur . . . . .    | $+.023''$                                   |

The large negative variations at the first three stations show that the deficiency in the Punjab during the month was most marked in the extreme northern districts and in the hill districts. The area between Bengal and the Central Provinces continued to be characterized by excessive pressure. It was most marked during the month of March in the coast districts of Orissa and Ganjam and in Sambalpur.

The hot weather usually commences during this month in Northern India, and the changed conditions modify considerably the pressure relations and variations.

A small depression appeared in Rajputana on the 3rd. It was transferred to Chutia Nagpur on the 4th, to Orissa and Central Bengal on the 5th, and then disappeared. It was very slight throughout. There was some cloud formed, the air was slightly cooler and damper, and a considerable shift of wind occurred in the districts it passed through, but it only gave a few light showers in East Bengal.

A second depression, similar in character, but more distinctly marked and accompanied with heavy rain, followed during the next week. It appeared in Sind on the morning of the 6th, and probably (although that is not quite certain from the paucity of observations) passed from Beluchistan eastwards. The amount of the depression was very small compared with that of the stationary depressions in the Punjab during January

and February. It occupied nearly the whole of Rajputana and Central India (enclosed by the isobar of 29.90") on the 7th, and light showers fell to the north and east, but chiefly in and near the hills. It covered Central and Eastern Rajputana, and Bundelkund (enclosed by the isobar of 29.9") on the morning of the 8th, and larger amounts of rain fell in and near the hills of the Punjab and the North-Western Provinces to the west of Bareilly. It lay over the south and south-eastern districts of the North-Western Provinces and the northern districts of the Central Provinces on the 8th, which were enclosed by the isobar of 29.75". The depression had increased considerably and showers fell over the whole of Northern India from Bengal to the Punjab. A rapid rise of the barometer commenced on the afternoon of the 9th, and the depression completely disappeared on the morning of the 10th. This depression differed entirely in its characteristics from the previous disturbances of the months of January and February. It was very small in amount. It probably entered Sind from Beluchistan, and it marched eastwards to the borders of Behar and Chutia Nagpur, and gave rain to the whole of Northern India in moderate amounts.

Anticyclonic conditions afterwards obtained in Northern India with fine dry weather and clear skies until the 15th, when a depression began to appear or form in North Sind. Its existence was shewn by the observations at Jacobabad and Quetta. It extended to West Rajputana on the 16th, and disappeared on the evening of that day without having given rise to any considerable disturbance or rainfall. A depression appeared in the mid-Indus Valley on the morning of the 25th. The barometer fell from 29.84" on the 24th to 29.74" on the 25th at Mooltan. A moderate cyclonic circulation was established over the area of depression. It was transferred to the central districts of Rajputana (Bickaneer) on the 26th. The circulation was more irregular on the 27th, but the centre was probably to the west of Delhi. There was no trace of its existence on the 28th. It gave some slight showers in the hills, and at one or two stations in the Punjab plains.

A depression appeared in the North Punjab on the 30th. The following gives the barometric changes during the 24 hours preceding 10 A.M. of each day:—

| STATIONS.            | 30th.  | 31st.   | 1st.    |
|----------------------|--------|---------|---------|
| Rawalpindi . . . . . | —'288" | + '146" | + '066" |
| Peshawar . . . . .   | —'250" | + '197" | + '047" |
| Sialkot . . . . .    | —'240" | + '102" | + '090" |
| Lahore . . . . .     | —'168" | + '077" | + '116" |
| Delhi . . . . .      | —'120" | + '054" | + '018" |
| Roorkee . . . . .    | —'118" | + '008" | 0       |
| Agra . . . . .       | —'112" | + '062" | + '010" |
| Mooltan . . . . .    | —'086" | + '101" | + '088" |
| Murree . . . . .     | —'263" | + '112" | + '054" |
| Simla . . . . .      | —'110" | —'134"  | + '020" |
| Chakrata . . . . .   | —'033" | —'145"  | —'003"  |

There were slight indications of disturbance in the North Punjab on the 28th, as showers fell at the most northerly stations, but it was not until the morning of the 30th, that a well-marked depression and fairly regular cyclonic circulation was formed which



It is not possible to decide from the observations whether this depression passed into the Punjab from the north-west, or whether it was formed mainly or entirely in the Punjab itself. It certainly had many of the characteristic features of the stationary depression of January and February, and so far as I can judge it belongs to that class.

The rapid increase of temperature in April produces a gradual change in the distribution of pressure, the chief of which are the transference during the month of the area of lowest pressure from the Deccan or Central India to the Punjab, and the intensification of the depression. Accompanying this large change are frequently large and rapid fluctuations. These periods of large barometric movement are generally also periods during which thunder-storms, hail-storms, and norwesters occur over large areas in northern and Central India, and more especially in Bengal and Orissa. It is very rarely that a large and persistent depression and cyclonic storm is formed either in the Bay of Bengal or in Upper India during this month.

The month was unusually free from thunder-storms and dust-storms, and the fine weather oscillations of the barometer (average period about three days) were such as ordinarily occur in India. No depression accompanying stormy weather appeared in Upper India or passed into India from the adjacent seas.

|                      |   |   |   |   |   |
|----------------------|---|---|---|---|---|
| Sikkim Himalayas     | + | 0 | 2 | 7 | " |
| Orissa               | + | 0 | 2 | 6 | " |
| Chutia Nagpur        | + | 0 | 2 | 5 | " |
| North-West Provinces | + | 0 | 2 | 6 | " |
| Bengal               | + | 0 | 2 | 4 | " |
| Assam                | + | 0 | 1 | 6 | " |

and the negative exceeded '01 in the following districts :—

|                             |        |
|-----------------------------|--------|
| Western Rajputana . . . . . | —'020" |
| Konkan . . . . .            | —'026" |
| Ceylon . . . . .            | —'026" |
| Malabar . . . . .           | —'029" |
| Deccan . . . . .            | —'021" |

The weather was unusually disturbed throughout May, as frequently happens after a quiet month of April. The barometric fluctuations were occasionally very large and rapid, and the area of minimum pressure was at such periods transferred rapidly from one part of the country to another.

A local depression formed in the Punjab on the 6th with winds cyclonic in direction. It was transferred to the south-east during the following day, filling up with its advance. It gave rain in the hill districts from Murree to Naini Tal. An early advance of moist winds up the east side of the Bay gave low pressure and squally weather to South Burma on the 8th and 9th. The disturbance passed into Upper Burma on the 10th and then apparently filled up. It was not at any time a definite and well marked cyclonic disturbance.

A small disturbance appears to have formed in the south-west of the Bay on the 22nd and 23rd. It advanced across the coast between Madras and Negapatam, and gave a deluge of rain to the Negapatam and Trichinopoly districts, and general rain in Southern India. At the same time a wave of low pressure began to run along the west coast of India and carried heavy rain with it. The following gives the lowest pressure on each day :—

| STATIONS.           | Date. | Lowest reading at 10 A.M. | Difference from normal. |
|---------------------|-------|---------------------------|-------------------------|
| Cochin . . . . .    | 24th  | 29'689"                   | —'209                   |
| Karwar . . . . .    | 25th  | '568"                     | —'297                   |
| Ratnagiri . . . . . | 26th  | '625"                     | —'221                   |
| Surat . . . . .     | 27th  | '592"                     | —'234                   |

The effect of this northward rush of moist winds carrying low barometer with them appears to have ceased on the evening of the 27th. The advance of this area of low barometer and of somewhat irregular cyclonic circulation and squally weather coincided with the first burst of the monsoon on the Malabar coast. \*

*June.*—The mean pressure of India for the month of June varied very slightly from the normal. There was a slight deficiency which averaged only —'002". Relatively to this general deficiency pressure was in defect in Assam, the Central Provinces, the Konkan, Malabar coast, the Deccan, the Carnatic, Ceylon, Arakan, and the Bay Islands. The deficiency was nowhere large, but it exceeded '01" in the following areas :—

| DISTRICTS.            | Relative barometric defect. |
|-----------------------|-----------------------------|
| Malabar . . . . .     | —'025"                      |
| Bay Islands . . . . . | —'023"                      |
| Ceylon . . . . .      | —'023"                      |
| Deccan . . . . .      | —'016"                      |
| Konkan . . . . .      | —'013"                      |

Hence, as in the previous months, the local deficiency of pressure was greatest in the south of the Bay, Ceylon, and the southern districts of the Peninsula. Pressure was relatively to the general variation locally in excess in North and North-West India and the Central Indian States. The excess exceeded '010" in the following districts:—

| DISTRICTS.                     | Barometric excess. |
|--------------------------------|--------------------|
| Sikkim Himalaya . . . . .      | + '027"            |
| North-West Provinces . . . . . | + '021"            |
| Punjab . . . . .               | + '018"            |
| East Rajputana . . . . .       | + '013"            |
| Chutia Nagpur . . . . .        | + '020"            |

Pressure at the elevation of the hill stations was slightly higher at those in Northern India, and lower at those in Central and Southern India,—in other words, the difference of pressure between the plains and hill stations was less than usual in Northern India (the feature being most marked in the Eastern Himalaya as represented by Darjeeling) and was greater than usual in Central and Southern India, the variation in this case increasing in amount from Central to Southern India. The gradients at a height of 6,000 to 8,000 feet were hence smaller than usual.

A frequent feature of the rains is the formation of small barometric depressions or cyclonic whirls, sometimes in the Bay and sometimes over the land. The heaviest rainfall during the south-west monsoon usually occurs in the districts passed over by these storms. The following gives a brief account of the depressions of the month of June.

*1st.—Depression of June 1st and 2nd in South Bengal.*—This formed quite at the head of the Bay and was very shallow on the 1st. The centre crossed the coast of the Sunderbunds on the 2nd, probably midway between Saugor Island and Chittagong. It filled up during the next 24 hours. The chief feature connected with it was an exceptionally heavy burst of rain at Chittagong. It received 14'69" inches on the 2nd during the storm. The following gives the lowest readings recorded on the 1st and 2nd:—

| STATIONS.          | Date.        | Lowest reading at 10 A.M. | Difference from normal. |
|--------------------|--------------|---------------------------|-------------------------|
| Calcutta . . . . . | 1st, 10 A.M. | 29'554                    | —'054                   |
| Ditto . . . . .    | 2nd, 10 A.M. | '558                      | —'050                   |

*2nd.—Depression of June 7th and 8th, in East Bengal.*—This was apparently land formed and was very slight and feeble. It was generated by the action of a rush of monsoon winds up the east coast, and by the occurrence of heavy rain. Chittagong recorded 7 inches.

The depression filled up without moving.

*3rd.—Depression of 12th to the 22nd June.*—This was an important and long-lived depression which developed slowly at the head of the Bay, and advanced west-north-west and gave the first general burst of the monsoon rains to the whole of Northern India. It began to form on the 12th in front of an advancing strong humid current up the Bay. The depression lay to the south of Saugor Island and off the Orissa coast on the 13th,

14th, and 15th, during which period it intensified very considerably and advanced very slowly, and was, on the morning of the 15th, a vigorous and extensive cyclone covering the whole of the Bay to the north of Lat. 16°. It then began to move more rapidly and crossed the coast near Saugor Island at 10 A.M. on the 16th. It passed through Orissa, the southern districts of Chutia Nagpur, and the north-eastern districts of the Central Provinces on the 17th. The centre was a little to the south-west of Benares at 10 A.M. of the 18th. Heavy rain fell in Bengal, Behar, Chutia Nagpur, and the eastern districts of the North-West Provinces during the preceding 24 hours. The depression passed through Bundelkund on the 19th, the centre lying between Jhansi and Nowgong at 10 A.M. Very heavy rain fell over the eastern districts of the North-West Provinces during the previous period of 24 hours. It thence passed into Eastern Rajputana and advanced to the north-west. It was approaching the Punjab frontier at 10 A.M. of the 20th. Heavy rain had again fallen over the districts to the north of the track of the cyclone, that is, the western half of the North-West Provinces. It crossed into the Punjab during the day, and the centre was to the west of Lahore on the 21st. It continued to advance to the north-west, but was broken up as it moved into the contracted area of the Upper Punjab. It however gave heavy rainfall on the 20th and 21st to the eastern districts of the Punjab and the adjacent hill districts. The following table gives the lowest observed reading of the barometer on each day at the observing stations nearest the centre, and the amount of the depression.

| STATION.                | Date.         | Lowest barometer reading at 10 A.M. | Difference from normal. |
|-------------------------|---------------|-------------------------------------|-------------------------|
| Saugor Island . . . . . | 16th, 10 A.M. | 29'112"                             | —'497"                  |
| Sambalpur . . . . .     | 17th, do.     | '357"                               | —'226"                  |
| Benares . . . . .       | 18th, do.     | '327"                               | —'241"                  |
| Nowgong . . . . .       | 19th, do.     | '412"                               | —'160"                  |
| Sirsa . . . . .         | 20th, do.     | '443"                               | —'086"                  |
| Lahore . . . . .        | 21st, do.     | '472"                               | —'035"                  |

*July.*—The general features of the distribution of the average pressure of the month were very similar to those of the preceding month of June. The average pressure of the whole of India was slightly in defect ('005"). Over Southern India, the Deccan, the Central Provinces, Ceylon, and the south and centre of the Bay pressure relative to the general state was below the average. The following give the amounts for those districts in which it exceeded '01"—

|                       |       |
|-----------------------|-------|
| Ceylon . . . . .      | '027" |
| Bay Islands . . . . . | '025" |
| Malabar . . . . .     | '018" |
| Deccan . . . . .      | '016" |

Pressure was relatively to the general condition in excess in North-West and North-East India. The excess was greater than '01" in the following districts:—

|                                |       |
|--------------------------------|-------|
| Sikkim Himalayas . . . . .     | '016" |
| North-West Provinces . . . . . | '016" |
| Bengal . . . . .               | '013" |
| Chutia Nagpur . . . . .        | '019" |

The above shews that the pressure conditions and variations of July were almost identical with those of June in the lower strata. A reference to Table XVIII will shew that the same is also true for the variations in the higher levels of the atmosphere (*i.e.*, 6,000 to 8,000 feet).

The following gives a brief account of the chief depressions of the month:—

*Depression of the 16th to the 23rd.*—The logs of vessels giving meteorological information of the Bay indicate that this depression formed on the 15th and 16th, when weather began to be very squally and rough. It was well developed on the 17th, and occupied the north-west angle of the Bay. It crossed the North Orissa coast on the evening of the 17th, and advanced through Orissa and Sambalpur on the 18th. It gave moderate rain on the 17th and 18th to Bengal and Orissa, and drew much moisture from the Bombay coast to the Central Provinces, which gave that area very heavy rain on the 18th. It moved through the broken and sparsely populated districts between Sambalpur and Sutna and Jubbulpore on the 19th. The rainfall was more general and widely diffused in that area than hitherto, and the depression was less clearly marked. It was between Sutna and Jubbulpore on the morning of the 21st, when heavy rain fell over the whole of the north-eastern districts of the Central Provinces. The depression then intensified, and occupied nearly the same area on the 22nd. The cyclonic circulation was not very regular at this time. The centre was probably a little to the south-west of Sutna. The depression advanced rapidly to the west during the next 24 hours through Central India and South Rajputana, and disappeared before the morning of the 24th. Heavy rain fell in Guzerat and Central India on the 22nd and 23rd.

The following give the greatest observed depression on each day of its existence:—

| Position.               | Date. | Lowest barometer<br>at 10 A. M. | Difference from<br>normal. |
|-------------------------|-------|---------------------------------|----------------------------|
| False Point . . . . .   | 16th  | 29'488"                         | —'136"                     |
| Saugor Island . . . . . | 17th  | '456"                           | —'140"                     |
| Cuttack . . . . .       | 18th  | '430"                           | —'189"                     |
| Benares . . . . .       | 19th  | '459"                           | —'111"                     |
| Raipur . . . . .        |       | '458"                           | —'156"                     |
| Benares . . . . .       |       | '485"                           | —'085"                     |
| Sutna . . . . .         | 21st  | '478"                           | —'096"                     |
| Sutna . . . . .         | 22nd  | '377"                           | —'197"                     |
| Neemuch . . . . .       | 23rd  | '363"                           | —'258"                     |
| Deesa . . . . .         |       | '389"                           | —'225"                     |

The preceding table shews clearly one of the most general features of cyclonic storms that cross the Peninsula, *viz.*, the gradual decrease of the intensity of the storm as measured by the barometric depression which occurs as the storm passes into the interior from the Bay, and its increase when it approaches the Bombay coast.

*August.*—The variations of the mean pressure of the month from the normal means were even smaller than during the previous two months. The average pressure for the whole of India only differed from the mean pressure of the month by —'002". The local variations were also smaller, but were similar in general character to those of the previous months of June and July. The local variations were positive over the whole of North and North-Eastern India, and the Konkan. They only exceeded '01" in two districts,

*viz.*, Bengal ( $\cdot 013''$ ) and Chutia Nagpur ( $\cdot 021''$ ). They were, on the other hand, negative in the Deccan, Southern India, Ceylon and the centre of the Bay, and were greatest in the extreme south of India and in Ceylon. They averaged  $\cdot 015''$  for the Ceylon stations, and  $\cdot 020''$  for the Bay Islands. The preceding remarks give the more prominent features of the variation of pressure of the month from the normal distribution. There were some local examples of large variations which deserve record.

These were :—

|                         |                 |
|-------------------------|-----------------|
| Leh . . . . .           | - $\cdot 034''$ |
| Ranikhet . . . . .      | - $\cdot 024''$ |
| Masulipatam . . . . .   | - $\cdot 032''$ |
| Bangalore . . . . .     | - $\cdot 024''$ |
| Port Blair . . . . .    | - $\cdot 033''$ |
| Jhansi . . . . .        | + $\cdot 023''$ |
| Hazaribagh . . . . .    | + $\cdot 021''$ |
| Sambalpur . . . . .     | + $\cdot 018''$ |
| Saugor Island . . . . . | + $\cdot 021''$ |

The large negative variations at Port Blair and Masulipatam are the most striking examples during the month of August, of a feature that came into prominence in the months of September, October and November, *viz.*, the marked tendency to relatively low pressure across the centre of the Bay from the Andamans to the mid-west coast, whilst the relatively high pressure indicated by the stations of Hazaribagh, Sambalpur and Saugor Island, and to a slightly less extent at the neighbouring stations to the west, is closely related to the light rainfall in the Central Provinces and Chutia Nagpur (more especially the southern districts) at this time.

The following gives a brief account of the more important depressions of the month, which formed or crossed into the Indian land area.

*Depression of August 11th to 21st.*—Pressure was very low at the commencement of the month in the Punjab, and a strong monsoon blew up the Bay of Bengal, and gave fairly general rain over the whole of Northern India until the 8th. It fell off in strength on the 9th, and a break in the rains set in on the 10th. During the next four days, the 11th, 12th, 13th and 14th, there was a small and imperfect depression off the west coast of the Bay of Bengal, between Masulipatam and Vizagapatam. Vessels in this part of the Bay encountered squally weather, and the winds were cyclonic in direction, but were comparatively feeble except during the squalls. Much rain also fell, but chiefly in heavy showers during squalls. The centre of the storm was in Lat.  $18^{\circ}$  N. and Long.  $85\frac{1}{2}^{\circ}$  E. at 10 A.M. of the 15th, and advancing very slowly to the north-north-east. The depression at the centre increased during the next 48 hours. The centre, at 10 A.M. of the 17th, was about 70 miles to the east of Gopalpur. It crossed the coast of Orissa nearly midway between False Point and Gopalpur on the 18th and recurved during the day, passing across the Orissa Hills in a N. W. direction into Sambalpur. The lower cyclonic circulation was less regular on the 19th, but showed convergence to a centre nearly midway between Raipur and Sambalpur at 10 A.M. The strong indraught from the Bombay coast which now commenced gave very heavy rain in the Central Provinces, and the rainfall at this time was almost entirely confined to the west and south-west quadrants of the area of disturbance. The storm passed through the north and north-west districts of the Central Provinces into Central India on the 20th, and on the 21st it crossed through Malwa and part of Meywar, the centre being near to Neemuch at 10 A.M. The depression was now

very small, and the cyclonic circulation became more irregular during the day, and it is hence probable that the storm filled up in South-West Rajputana. The following gives the position of the centre on each day:—

| POSITION.                          | SHIP'S POSITION AT NOON. |          | Date. | Distance and bearing of centre. | Barometer reading. | Difference from normal. |
|------------------------------------|--------------------------|----------|-------|---------------------------------|--------------------|-------------------------|
|                                    | Lat. N.                  | Long. E. |       |                                 |                    |                         |
| Ship <i>Lochee</i> . . . . .       | 17°36"                   | 87°42"   | 15th  | 150 miles W . . .               | 29°450"?*          | —'207?                  |
| Ship <i>Barque Harvard</i> . . . . | 16°37"                   | 85°46"   | 15th  | 100 miles N . . .               | '532"?*            | —'125?                  |
| Ship <i>Barque Harvard</i> . . . . | 18°46"                   | 86°58"   | 16th  | 70 miles W . . .                | '407"?*            | —'250?                  |
| Gopalpur . . . . .                 | ...                      | ...      | 17th  | 70 miles E . . .                | '486"              | —'193                   |
| Cuttack . . . . .                  | ...                      | ...      | 18th  | 40 miles S . . .                | '435"              | —'240                   |
| Sambalpur . . . . .                | ...                      | ...      | 19th  | 80 miles E . . .                | '454"              | —'188                   |
| Jubbulpore . . . . .               | ...                      | ...      | 20th  | 110 miles ESE . .               | '526"              | —'161                   |
| Neemuch . . . . .                  | ...                      | ...      | 21st  | 80 miles S . . .                | '573"              | —'113                   |

\* Uncorrected.

*Depression of August 22nd to 24th.*—A very small depression formed in the north-west angle of the Bay between False Point and Saugor Island on the evening of the 21st and morning of the 22nd. It advanced into South-West Bengal on the 23rd, the centre being between Saugor Island and Calcutta. Heavy general rain was falling at this time over the whole of Northern India, and the whirl, though very distinct, neither increased in intensity nor magnitude. The centre was nearly midway between Calcutta and Berham-pur on the 24th. It filled up during the evening of the 24th, after giving moderate rain to South and East Bengal. The depression was unusually small in amount as is shown by the following:—

| POSITION.               | Date. | Distance and bearing of centre. | Lowest reading at 10 A.M. | Difference from normal. |
|-------------------------|-------|---------------------------------|---------------------------|-------------------------|
| Saugor Island . . . . . | 22nd  | 40 miles NNE . .                | 29°644                    | —'012                   |
| Calcutta . . . . .      | 23rd  | 30 miles N . . .                | '649                      | —'013                   |
| Calcutta . . . . .      | 24th  | 35 miles SW . . .               | '636                      | —'026                   |

A very small depression appeared in South-West Bengal on the morning of the 28th (apparently land-formed), but it filled up before 10 A.M. of the 29th.

*September.*—The mean pressure of the month almost exactly coincided with the normal, excess pressure in Northern India compensating deficient pressure in Southern India. The variations of the mean pressure of the meteorological districts from their average pressure conditions were in several cases large, amongst which the more important were:—

|                             |         |
|-----------------------------|---------|
| Rajputana . . . . .         | + '026" |
| Nerbudda valley . . . . .   | + '022" |
| Central Provinces . . . . . | + '011" |
| Konkan . . . . .            | + '011" |
| Ceylon . . . . .            | — '023" |
| Bay Islands . . . . .       | — '022" |
| Punjab . . . . .            | — '017" |
| Malabar . . . . .           | — '019" |
| Carnatic . . . . .          | — '015" |

These large variations accompanied a more unequal distribution of the rains than is usual in September.

The following gives a short account of the more important depressions and cyclonic storms which formed during the month of September.

*1st.—Depression of September 5th to 11th.*—There was at this period of the monsoon a very strong tendency to the formation of depressions in Behar and the neighbouring districts. On the 5th and 6th a very slight depression appeared in the eastern districts of the North-West Provinces, and heavy rain fell in those districts and Behar. There was much irregular cyclonic circulation on the 7th, and it began to concentrate and intensify about a centre in Central Behar. The depression was very distinctly marked on the 8th, when the centre was between Patna and Gya. It moved slightly to the east during the next 24 hours, and the depression covered the whole of Behar and the northern districts of Chutia Nagpur. Heavy rain fell on the 8th, 9th and 10th, and the depression continued unaltered in position or character until the morning of the 11th, when it filled up rapidly and disappeared.

The following statement gives the lowest readings of the barometer recorded during the storm :—

| STATIONS.           | Date. | Lowest reading at 10 A.M. | Difference from normal. |
|---------------------|-------|---------------------------|-------------------------|
| Allahabad . . . . . | 6th   | 29.748"                   | + .004                  |
| Patna . . . . .     | 7th   | .667"                     | — .086                  |
| Patna . . . . .     | 8th   | .586"                     | — .167                  |
| Gya . . . . .       | 9th   | .612"                     | — .150                  |
| Patna . . . . .     | 10th  | .593"                     | — .160                  |

*2nd.—Depression of September 13th to 17th.*—This small storm was generated in the north-west angle of the Bay on the 13th, 14th and 15th, and was very feeble at sea. It crossed the North Orissa coast on the 16th, and filled up as it crossed the Orissa hill districts after giving very moderate rain to South-West Bengal and Orissa.

*3rd.—Depression of September 18th to 24th.*—Another whirl began to form in the north-west angle of the Bay on the 18th, immediately after the dispersion of the preceding small storm. It intensified slowly on the 19th, 20th and 21st, and commenced to move towards the North Orissa coast, which it crossed on the evening of the 21st. It passed rapidly through Chutia Nagpur into Central Behar, and filled up on the 24th after giving a moderate burst of rain to Behar, Chutia Nagpur, Orissa and the western districts of South-West Bengal.

*4th.—Depression of September 28th to October 3rd.*—This small storm formed in the centre of the Bay between the West Pegu coast and the coast of the Circars. It advanced to the north of west, and struck the mid-west coast of the Bay on the evening of the 29th, or morning of the 30th. It was however a very imperfectly formed cyclonic storm. The depression passed into the Deccan on the 1st of October, when it was a diffused and feeble disturbance. The centre was near and to the south of Sholapur on the 2nd. It apparently continued to advance westwards and passed over the West Ghâts into the Arabian Sea on the morning of the 3rd.



*October.*—Was the only month in the year 1886 when the mean pressure of the whole of India differed to any considerable extent from the normal. It was  $\cdot 027''$  below the normal pressure of the month, the deficiency of pressure accompanying a largish excess of temperature over the greater part of the country, due to the early termination of the rains in North and Central India. Relatively to the general conditions, pressure was in excess in the Punjab, Gangetic plain, Bengal, Assam, Orissa, and in the south of the Bay (Ceylon and in the Bay Islands).

Hence the pressure relations between different parts of the country were slightly different to what they had been during the cold weather and rains, and were gradually changing. The pressure was considerably in excess (when compared with the average condition) in the Himalayan area ( $+\cdot 024''$ ) and in Bengal ( $+\cdot 011''$ ), and was in defect in the Nerbudda valley ( $-\cdot 028''$ ), Central Provinces ( $-\cdot 020''$ ), Deccan ( $-\cdot 014''$ ), Rajputana ( $-\cdot 019''$ ), and the Madras coast ( $-\cdot 010''$ ).

The chief feature of the month was the continued existence, during the first fortnight of the month, of low pressure on the Madras coast which determined the reversion of the south-west current in the Bay, and drew the supplies of aqueous vapour brought up by the south-west monsoon current in the Bay to the Peninsula, which received moderate steady rainfall. For the same reason the month was usually free from cyclones in the Bay of Bengal.

*Depression of October 5th and 14th.*—A slight tendency to the formation of an area of low pressure, extending over the coast districts from Orissa to the Circars and the adjacent sea area, began to shew itself on the 5th, 6th, and 7th. The weather was squally near the coast, but the winds, except during the squalls, were light and unsteady. The depression developed slightly on the 9th, when it was off Vizagapatam and Masulipatam. It advanced slowly southwards; on the 11th and 12th the lowest pressure was at Masulipatam and Madras, and on the 13th at Madras and Negapatam. Hence the depression was of an entirely different character from the ordinary cyclonic storms of the month. It was rather an area of slightly deficient pressure which accompanied the reversion of the south-west monsoon current, and determined the commencement of what is popularly known as the north-east monsoon to the west coast of the Bay. The depression apparently advanced from the coast as an ill-defined cyclonic circulation across the Deccan on the 14th, and probably passed over the West Ghâts into the Arabian Sea. The disturbance gave moderate to heavy rain over the whole of Southern India.

*Depression of October 16th to 20th.*—This formed on the 17th and 18th to the west of the Andamans and marched to the W. N. W. to the coast of the Circars, which it crossed on the 19th. It was a small and comparatively feeble storm when it reached the coast. It advanced across Hyderabad on the 20th, giving moderate showers to the North Deccan and Central Provinces. It filled up on the evening of that day without crossing the West Ghâts.

The following gives the lowest observed barometric readings on each day :—

| Position.                                                                      | Date. | Hour.   | Lowest reading. |
|--------------------------------------------------------------------------------|-------|---------|-----------------|
| Ship <i>Asia</i> at Lat. $17^{\circ}$ N. and Long. $84\frac{1}{2}^{\circ}$ E.. | 18th  | 4 P.M.  | 29 $\cdot$ 350  |
| Cocanada . . . . .                                                             | 19th  | 10 A.M. | 29 $\cdot$ 690  |

*November.*—The mean pressure for the month almost exactly corresponded with the normal mean, the difference being only '001". The variations of pressure were however unusually large. This was in part due to the occurrence of two large cyclonic storms which formed near the Andamans, and advanced to the west coast of the Bay in a W. N. W. direction. The local variations of pressure were positive in Northern and Central India, and negative over the Peninsula and the centre of the Bay.

The positive variations exceeded '01" in the following districts:—

|                      |           |       |
|----------------------|-----------|-------|
| North-West Himalayas | . . . . . | '015" |
| Assam                | . . . . . | '014" |
| Konkan               | . . . . . | '014" |
| Chutia Nagpur        | . . . . . | '011" |
| North-West Provinces | . . . . . | '011" |

and the following negative variations were the largest and most important:—

|                   |           |       |
|-------------------|-----------|-------|
| East Coast.       | . . . . . | '012" |
| Central Provinces | . . . . . | '011" |

Amongst the more remarkable local variations were:—

|             |           |         |
|-------------|-----------|---------|
| Murree      | . . . . . | + '025" |
| Simla       | . . . . . | + '026" |
| Sibsagar    | . . . . . | + '023" |
| Purneah     | . . . . . | + '025" |
| Masulipatam | . . . . . | - '031" |
| Kurnool     | . . . . . | - '031" |
| Rajahmundry | . . . . . | - '027" |

Two very large depressions or cyclonic storms formed in the Bay of Bengal during the month.

*Cyclonic storm of November 2nd to November 16th.*—This storm was remarkable for its long existence, and also for its passing across the South Deccan into the Arabian Sea, to which it gave stormy weather for nearly a week. It began to form on the 1st and 2nd in the immediate neighbourhood of the Andamans and to the west of the Little Andaman Island, the most southern of the group, and on the 3rd there was a considerable depression and well marked cyclonic circulation. The centre began to move to the W. N. W., but at first very slowly. It was in lat.  $11\frac{1}{2}^{\circ}$  N. and long.  $88^{\circ}$  E. at noon of the 6th, in lat.  $12^{\circ}$  N. and long.  $86^{\circ}$  E. on the 7th, and in lat.  $12\frac{3}{4}^{\circ}$  N. and long.  $84^{\circ}$  E. on the 8th. It passed over the S.S. *Craigton* during the afternoon. Her barometer (corrected) stood at 28.40, and the wind blew with hurricane force. The cyclone had developed into one of great intensity and of considerable magnitude, the storm area in which winds exceeded force 8 being probably about 200 miles in diameter. The centre struck the Madras coast a little to the north of Madras about 2 P.M. of the 9th. Its rate of motion had gradually increased, and its velocity, just before reaching land, was between 9 and 10 miles per hour. It advanced more rapidly across the Deccan, at the rate of about 15 miles per hour, and was in lat.  $15^{\circ}$  N. and long.  $75\frac{1}{2}^{\circ}$  E. at noon on the 10th. It crossed the West Ghâts during the afternoon, and gave squally weather to the west coast on the 10th and 11th. The storm was at this stage comparatively feeble. It however continued to advance in the same direction to the W. N. W. and acquired additional energy. It passed over the P. and O. steamer *Peshawar* on the afternoon and evening of the 13th

in about lat.  $17^{\circ}$  N. and long.  $63^{\circ}$  E. Her barometer fell to  $29.24''$  at 10-30 P.M., and she experienced terrific squalls, blinding rain, and wind-squalls of hurricane force. The centre was at this time recurving to the N. W. and N. N. W. It was probably in lat.  $21\frac{1}{2}^{\circ}$  N. and long.  $60^{\circ}$  E. at noon of the 15th. It passed over the S.S. *Mobile* on the evening of the 15th in about lat.  $24^{\circ}$  N. and long.  $62^{\circ}$  E. and she suffered considerably from the force of the gale. She lost 221 horses, 3 boats, awnings, and all bulwarks were smashed more or less fore and aft. The storm had continued to recurve and was then advancing in a N. N. E. direction to the eastern portion of the Beluchistan coast. A considerable fall of the barometer occurred at Quetta and Kurrachee on the 16th, and unusually strong winds prevailed at these stations until the morning of the 17th. Hence, although there are no materials for tracing the path of the storm later than the evening of the 15th, it is certain, it did not completely break up before the evening of the 16th, or perhaps the morning of the 17th, and shortly after it reached the Beluchistan coast. It hence continued as an unbroken cyclonic circulation for at least 15 days.

The following gives data respecting the track and character of the storm :—

| Date and hour.     | PROBABLE POSITION OF STORM CENTRE. |                  | Names of Ships or Stations. | POSITION OF SHIPS OR STATIONS. |                  | Lowest barometric reading.             |
|--------------------|------------------------------------|------------------|-----------------------------|--------------------------------|------------------|----------------------------------------|
|                    | Lat. N.                            | Long. E.         |                             | Lat. N.                        | Long. E.         |                                        |
| November 4th, noon | $10^{\circ} 30'$                   | $91^{\circ} 0'$  | <i>Port Blair</i>           | $11^{\circ} 41'$               | $92^{\circ} 42'$ | $29.72''$ at 4 P.M.                    |
| „ 5th, „           | $11^{\circ} 0'$                    | $90^{\circ} 0'$  | <i>Do.</i>                  | $11^{\circ} 41'$               | $92^{\circ} 42'$ | $29.66''$ at 4 P.M.                    |
| „ 6th, „           | $11^{\circ} 30'$                   | $88^{\circ} 0'$  | <i>Akbar</i>                | $9^{\circ} 24'$                | $89^{\circ} 58'$ | $29.81''$ at noon.                     |
| „ 7th, „           | $12^{\circ} 0'$                    | $86^{\circ} 0'$  | <i>Craigton</i>             | $11^{\circ} 47'$               | $83^{\circ} 40'$ | $29.50''$ at midnight.                 |
| „ 8th, „           | $12^{\circ} 45'$                   | $84^{\circ} 0'$  | <i>Do.</i>                  | $13^{\circ} 0'$                | $84^{\circ} 0'$  | $28.40''$ in the calm centre at 4 P.M. |
| „ 9th, „           | $13^{\circ} 30'$                   | $81^{\circ} 0'$  | <i>Do.</i>                  | $14^{\circ} 20'$               | $84^{\circ} 10'$ | $29.10''$ at 4 A.M.                    |
| „ 10th, 10 A.M.    | $15^{\circ} 15'$                   | $75^{\circ} 30'$ | <i>Karwar</i>               | $14^{\circ} 50'$               | $74^{\circ} 15'$ | $29.64''$ at 4 P.M.                    |
| „ 11th, noon       | $16^{\circ} 0'$                    | $69^{\circ} 30'$ | <i>Atrato</i>               | $18^{\circ} 7'$                | $66^{\circ} 40'$ | $29.85''$ at 1 A.M.                    |
| „ 12th, „          | $16^{\circ} 30'$                   | $67^{\circ} 0'$  | <i>Do.</i>                  | $18^{\circ} 38'$               | $68^{\circ} 27'$ | $29.70''$ at 4 A.M.                    |
| „ 13th, „          | $17^{\circ} 0'$                    | $64^{\circ} 30'$ | <i>Peshawar</i>             | $16^{\circ} 31'$               | $60^{\circ} 18'$ |                                        |
| „ „ 10-30 P.M.     | $17^{\circ} 15'$                   | $62^{\circ} 45'$ | <i>Do.</i>                  | ...                            | ...              | $29.24''$ at 10 P.M.                   |
| „ 14th, noon       | $18^{\circ} 30'$                   | $60^{\circ} 30'$ | <i>Do.</i>                  | $18^{\circ} 4'$                | $63^{\circ} 41'$ | $29.42''$ at 1 A.M.                    |
| „ 15th, „          | $22^{\circ} 30'$                   | $61^{\circ} 30'$ | <i>Mobile</i>               | $23^{\circ} 50'$               | $61^{\circ} 20'$ |                                        |
| „ „ 4 P.M.         | $23^{\circ} 30'$                   | $62^{\circ} 0'$  | <i>Do.</i>                  | ...                            | ...              |                                        |
| „ „ 9 P.M.         | $24^{\circ} 35'$                   | $62^{\circ} 15'$ | <i>Do.</i>                  | ...                            | ...              | $29.11''?$ at 9 P.M.                   |

*Cyclonic storm of November 14th to 24th.*—This storm was remarkable, as it is an example of the comparatively rare class of storms which form in the Andaman Sea and pass into the Bay of Bengal. It is also very interesting as contributing to the evidence of the law that the paths of cyclones of the transition period are very largely determined by the influence and position of the land. It travelled at first parallel to the Andamans, and only adopted the normal W. N. W. course after it had advanced to the north of the Andamans and was approaching the Burmese coast. It formed slowly on the 14th, 15th and 16th to the E. S. E. of Port Blair at a distance of about

50 miles. It developed rather rapidly on the 17th and 18th, when it advanced slowly northwards to the east of the Andamans, and concentrated into a furious cyclone on the 19th. The ship *Airlie* was involved in the storm on that day and carried by it through the South Preparis Channel. Her barometer (corrected) fell to 28.72". Her log states that the cyclone blew with fearful force, the squalls were terrific, and the rain seemed to come down as a solid body. The centre passed through the South Preparis Channel on the morning of the 19th and began to recurve, so that on the 20th it was advancing in a W. N. W. direction. The storm area was of comparatively small extent, probably not more than 100 to 120 miles in diameter at any time during its existence, but within this area the cyclonic action was exceedingly violent. The centre was in lat. 16° N. and long. 90½° E. at noon of the 21st, in lat. 16½° N. and long. 87½° E. on the 22nd, and in lat. 17° N. and long. 84½° E. on the 23rd. It passed over the S. S. *Melpomene* and *Noorjehan* on the 23rd. The barometer in the *Melpomene* fell to 28.73" and she experienced the full weight of the storm as she became utterly helpless and was carried with the storm and involved in it for at least 18 hours. The storm centre struck the coast between Cocanada and Vizagapatam about midnight of the 23rd, and gave very strong winds and heavy rain to the coast districts. The storm speedily broke up under the disintegrating action and resistance of the hills, so completely that at 10 A.M. on the morning of the 24th there was no trace of cyclonic circulation on the large scale.

The following table gives data of the track of this storm :—

| Date and hour.      | PROBABLE POSITION OF STORM CENTRE. |          | Names of Ships or Stations. | POSITION OF SHIPS OR STATIONS. |                 | Lowest barometric reading. |
|---------------------|------------------------------------|----------|-----------------------------|--------------------------------|-----------------|----------------------------|
|                     | Lat. N.                            | Long. E. |                             | Lat. N.                        | Long. E.        |                            |
| November 16th, noon | 11° 15'                            | 93° 30'  | <i>Port Blair</i> . . .     | 11° 41'                        | 92° 42'         | 29.74" at 4 P.M.           |
| " 17th, "           | 12° 0'                             | 93° 30'  | <i>Do.</i> . . .            | 11° 41'                        | 92° 42'         | 29.60" at 4 P.M.           |
| " 18th, "           | 13° 0'                             | 93° 30'  | <i>Airlie</i> . . .         | 13° 45'                        | 94° 50'         | 29.61" at 4 A.M.           |
| " 19th, "           | 14° 0'                             | 93° 30'  | <i>Do.</i> . . .            | { 13° 7' D. R.                 | { 94° 39' D. R. | 28.72" at 5.45 P.M.        |
| " 20th, "           | 14° 30'                            | 92° 45'  | <i>Do.</i> . . .            | 13° 35'                        | 94° 38'         | 29.42" at 4 A.M.           |
| " 21st, "           | 16° 0'                             | 90° 30'  | <i>Nowshera</i> . . .       | 18° 4'                         | 91° 43'         | 29.82" at 4 A.M.           |
| " 22nd, "           | 16° 30'                            | 87° 30'  | <i>Melpomene</i> . . .      | 16° 41'                        | 86° 10'         | 28.73" at 5 and 6 P.M.     |
| " 23rd, "           | 17° 0'                             | 84° 30'  | <i>Nurjehan</i> . . .       | 16° 56'                        | 83° 56'         |                            |
| " " 2 P.M.          | 17° 0'                             | 84° 15'  | <i>Do.</i> . . .            | ...                            | ...             | 28.78" at 2 P.M.           |

The first of these storms gave a moderate burst of rain to the south and centre of the Peninsula, and the second storm was accompanied with very heavy local rainfall in the coast districts of the Circars, which will be fully described under the head of rainfall.

Fine clear weather prevailed generally until the end of the month, and the barometer oscillated within narrow limits.

*December.*—The general and local variations of the pressure for the month of December were smaller than they were for the months of September, October and November. The general variation was only +.004", and the district variations only exceeded .01" in two cases, *viz.*, Sikkim (—0.12") and the Malabar coast districts (+.012"). Hence the average distribution of pressure for the month approximated very closely to

the mean, and there were no large local peculiarities. The largest relative variations were as follows:—

|         |   |   |   |   |   |   |   |   |   |   |   |   |       |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Leh.    | . | . | . | . | . | . | . | . | . | . | . | . | -035" |
| Kailang | . | . | . | . | . | . | . | . | . | . | . | . | -025" |
| Jhansi  | . | . | . | . | . | . | . | . | . | . | . | . | +027" |

*Depression or cyclonic storm of December 7th to 9th.*—This formed in the south of the Bay and probably in about lat.  $9^{\circ}$  N. on the 7th, after the prevalence of squally weather for several days. The centre advanced to the W. N. W., and was about 100 miles to the east of Madras at noon of the 9th. It struck the coast some distance to the north of Madras about 8 P.M. of the same day, and gradually dissipated during the next 24 hours, so that there was hardly a trace of its existence on the evening of the 10th. It was of a diffused character, and strong winds were experienced at distances of 200 to 300 miles from the centre. Thus the *Clive* had westerly winds of force 10, and hard squalls in lat.  $8\frac{1}{2}^{\circ}$  N. and long.  $82\frac{1}{4}^{\circ}$  E. on the afternoon of the 8th, when she was upwards of 250 miles from the centre.

A reference to Plate V will show the tracks of the storms that originated in the Bay of Bengal during the year.

Taking the mean anomaly of all the Indian, Ceylon and Burmese stations given in Table XVA for each month of the year, we have the following results:—

|                      | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|----------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Number of stations . | 116      | 115       | 114    | 114    | 115  | 118   | 118   | 118     | 119        | 121      | 120       | 120       |       |
| Pressure anomalies . | -011     | +009      | -006   | +004   | -004 | -002  | -005  | -002    | +002       | -027     | -001      | +005      | -003  |

The most striking feature of the year 1886 is illustrated by the preceding numbers. The mean pressure over the whole of India was during by far the greater part of the year almost identical with the normal pressure. The anomaly for eight out of the twelve months did not exceed 005" and for only two it exceeded 010", *viz.*, January, for which it was 011", and October, for which it was 027". The abnormal conditions of the latter month, *viz.* (excessive humidity, cloud amount, and rainfall in Northern and Central India), were thus reflected in the pressure anomaly of the month.

The examination of the local variations of pressure during the year also discloses the same fact of the approximate coincidence of the actual pressure conditions of the year with the normal. The mean pressure of the year in Northern India (*i.e.*, Bengal, Assam, Behar, the North-Western Provinces, Central India, Rajputana, Sind, and the Punjab) was 002" above the average, whilst that of the remainder of India (Southern India) was 008 below the average—an illustration of the opposition between the smaller variations of meteorological conditions in Northern and Southern India.

The largest positive barometric variations for the whole year are the following:—

|            |   |   |   |   |   |   |   |   |   |   |   |   |      |
|------------|---|---|---|---|---|---|---|---|---|---|---|---|------|
| Agra       | . | . | . | . | . | . | . | . | . | . | . | . | 015" |
| Jhansi     | . | . | . | . | . | . | . | . | . | . | . | . | 025  |
| Sambalpur  | . | . | . | . | . | . | . | . | . | . | . | . | 018  |
| Hazaribagh | . | . | . | . | . | . | . | . | . | . | . | . | 012  |
| Khandwa    | . | . | . | . | . | . | . | . | . | . | . | . | 012  |

If these numbers be correct, they show that during the year there was a marked tendency to higher pressure than usual across the head of the Peninsula from Sambalpur to Eastern Rajputana.

The largest negative anomalies for the year belong to stations in the centre of the Peninsula. They are :—

|              |   |   |   |   |   |   |   |   |   |        |
|--------------|---|---|---|---|---|---|---|---|---|--------|
| Masulipatam  | . | . | . | . | . | . | . | . | . | —'022" |
| Belgaum      | . | . | . | . | . | . | . | . | . | —'016  |
| Secunderabad | . | . | . | . | . | . | . | . | . | —'013  |
| Bangalore    | . | . | . | . | . | . | . | . | . | —'013  |
| Sholapur     | . | . | . | . | . | . | . | . | . | —'013  |
| Cochin       | . | . | . | . | . | . | . | . | . | —'013  |
| Trincomalee  | . | . | . | . | . | . | . | . | . | —'012  |

The previous marks the most important persistent variations during the year. The following results show that the anomalies were even more marked before the commencement of the rains than at any other period of the year. It has been already pointed out that the pressure in April was almost exactly identical with the normal, and hence it is convenient to begin with the pressure anomalies of that month.

The following gives all the positive and negative variations (relative to the general state) for the month of April which exceed '015" :—

| Positive. |   |   |   |       | Negative. |   |   |   |       |
|-----------|---|---|---|-------|-----------|---|---|---|-------|
| Ratnagiri | . | . | . | '017" | Cuddapah  | . | . | . | '024" |
| Jhansi    | . | . | . | '017  | Kurrachee | . | . | . | '022  |
| Salem     | . | . | . | '018  | Sholapur  | . | . | . | '016  |
| Sambalpur | . | . | . | '016  | Sironcha  | . | . | . | '016  |

Of these Cuddapah is almost certainly wrong, but of the others Jhansi, Sambalpur, Sironcha are the only cases in which the variations were moderately large and the same in character as those of the whole year.

The following table gives the relative abnormal variations for the month of May exceeding '02" :—

| Positive.     |   |   |   |       | Negative. |   |   |   |       |
|---------------|---|---|---|-------|-----------|---|---|---|-------|
| Jhansi        | . | . | . | '021" | Neemuch   | . | . | . | '022" |
| Gorakhpur     | . | . | . | '037  | Indore    | . | . | . | '025  |
| Lucknow       | . | . | . | '030  | Kurrachee | . | . | . | '036  |
| Sibsagar      | . | . | . | '022  | Rajkot    | . | . | . | '032  |
| Dhubri        | . | . | . | '027  | Deesa     | . | . | . | '023  |
| Purneah       | . | . | . | '033  | Surat     | . | . | . | '026  |
| Durbhunga     | . | . | . | '029  | Bombay    | . | . | . | '031  |
| Patna         | . | . | . | '035  | Sholapur  | . | . | . | '022  |
| Hazaribagh    | . | . | . | '025  | Belgaum   | . | . | . | '038  |
| Berhampore    | . | . | . | '024  | Karwar    | . | . | . | '033  |
| Burdwan       | . | . | . | '026  | Kurnool   | . | . | . | '022  |
| Dacca         | . | . | . | '024  | Bellary   | . | . | . | '024  |
| Jessore       | . | . | . | '024  | Mangalore | . | . | . | '024  |
| Calcutta      | . | . | . | '022  | Cochin    | . | . | . | '034  |
| Saugor Island | . | . | . | '021  | Galle     | . | . | . | '029  |
| False Point   | . | . | . | '023  | Colombo   | . | . | . | '024  |
| Sambalpur     | . | . | . | '035  |           |   |   |   |       |
| Gopalpur      | . | . | . | '030  |           |   |   |   |       |

Hence the hot weather increased very considerably the abnormal features of the weather, which had been already present during the month of April. Excessive pressure became a more prominent feature in Northern and North-Eastern India, and diminished pressure in Western, Central and Southern India.

Similar characteristics are shown by the following returns for the month of June, drawn up in the same form as that for May:—

| Positive variations exceeding '02" |   |   |   |      | Negative variations exceeding '02." |   |   |   |      |
|------------------------------------|---|---|---|------|-------------------------------------|---|---|---|------|
| Peshawar                           | . | . | . | '022 | Sironcha                            | . | . | . | '032 |
| Roorkee                            | . | . | . | '021 | Masulipatam                         | . | . | . | '024 |
| Bareilly                           | . | . | . | '025 | Bellary                             | . | . | . | '027 |
| Meerut                             | . | . | . | '025 | Bangalore                           | . | . | . | '022 |
| Agra                               | . | . | . | '029 | Cochin                              | . | . | . | '028 |
| Lucknow                            | . | . | . | '026 | Coimbatore                          | . | . | . | '021 |
| Jhansi                             | . | . | . | '034 | Colombo                             | . | . | . | '024 |
| Sambalpur                          | . | . | . | '038 | Galle                               | . | . | . | '023 |
| Nowgong                            | . | . | . | '029 | Port Blair                          | . | . | . | '029 |

These figures sufficiently illustrate the more remarkable pressure variations of the year, which may be summarized as follow:—

*1st.*—Pressure was slightly in excess in Northern India, and in defect to a somewhat larger extent in Southern India.

*2nd.*—The first feature of increased pressure was most persistent and permanent at stations situated in the area that forms usually a trough of low pressure during the rains, to the south of the Gangetic valley, or at Sambalpur, Hazaribagh, Agra and Jhansi. The deficient pressure was most marked in the Deccan and the Circars, or in the area represented by the stations of Masulipatam, Secunderabad, Belgaum, Bellary and Sholapur.

*3rd.*—The characteristic features of the year, pointed out in (*1st*) and (*2nd*) were not prominent during the cold weather, or in April, but became strongly marked during the abnormally hot weather of May, and were almost as prominent in June. In other words, they were hence developed during the hot weather, and were conditions prevalent over the area invaded by the south-west monsoon current in June, and which remained more or less permanent during the monsoon, more especially the deficient pressure in the Deccan and Circars.

## WINDS.

The anemometric data consist of observations of the wind direction at 10h. and 16h. (10 A.M. and 4 P.M.) at the large majority of stations in Northern, Central and Western India and Burma; at the extra-Indian stations, Aden, Bushire, &c.; and at Mangalore, Gopalpur, Mercara, Madura, Masulipatam, Calicut, and Coimbatore, in Madras. For the Madras observatory, the directions at noon and midnight are given. At other Madras stations (except Vizagapatam), and also at Bangalore and Secunderabad, an observation at 22h. (10 P.M.) is given instead of that at 4 P.M. At Leh, Chamba, Lahore, Mussooree, Dehra, Roorkee, Lucknow, Allahabad, Dhubri, Chittagong, Calcutta, Saugor Island, Cuttack, Hazaribagh, Darjeeling, Nagpur, Pachmarhi, Jeypore, Deesa,

Ratnagiri, Belgaum, Bombay, Poona, Vizagapatam, and Rangoon, the directions are given for four diurnal periods, *viz.*, 4h.; (or 6h. in the case of Calcutta, Leh, and Bombay), 10h., 16h., and 22h.; and, at all these stations, except Vizagapatam, Allahabad, Jeypore, Leh, Chamba and Lahore, are taken from the traces of autographic instruments. At nearly all stations, the total movement of the air in 24 hours is recorded by an anemometer. At Calcutta, Madras, Rangoon, Saugor Island, Chittagong, Darjeeling, Lucknow, Roorkee, Dehra, Mussooree, Nagpur, Pachmarhi, Bombay, Belgaum, and Deesa, the instruments are large Beckley's anemographs of the Kew pattern; at Dhubri, Cuttack, Hazaribagh, Ratnagiri, and Poona Casella's embossing anemographs; and, at other stations, small anemometers with Robinson's cup and ball motors, in some cases with trains of five recording wheels, in others with two (Casella's improved pattern). A list of the elevations of the instruments at all stations was given in the Report for the year 1885.

Table IX (Appendix) gives an abstract of the wind directions, &c., for 135 stations in 1886. The abstract specifies the number of times that each of eight wind directions and calms was observed at each hour of record, and the total of each month, the trigonometrical resultant of these observations computed by Lambert's formula (an equal value being given to each observation), the mean diurnal movement of the air, and the average monthly values of the last two data, computed from as many years (exceeding two) as anemometric registers have been furnished by each station. The charts, Plates II to IV, shew these wind resultants by arrows, the lengths of which indicate the comparative excess of wind prevalence in the direction drawn on a scale such that five-eighths of an inch would represent a wind blowing continuously in the same direction throughout the month, or 100 per cent. of the observations.

*January.*—In the Punjab plains the winds were approximately normal in direction and blew more steadily than usual. They were considerably stronger than the average at the hill station of Murree. In the Gangetic plain they were generally less steady and slightly feebler than usual. Remarkably steady north winds prevailed at Lucknow, where the normal direction in January is north-west. In Central Behar and at Benares the westerly winds had a slight southerly component, instead of the usual northerly element of the season. In Bengal normal north-west land winds prevailed and were fairly steady. The westerly element was slightly more pronounced than usual, more especially in South-West Bengal.

The most important variations of the month were in the Central Provinces and Central India. Winds were very irregular in direction, indicating that the usual surface current or drift from Upper India was almost suspended or locally modified. Thus at Seoni, the average wind direction of the month was S.  $37^{\circ}$  E., the normal being N.  $75^{\circ}$  E., at Nagpur it was S.  $71^{\circ}$  E. as compared with N.  $72^{\circ}$  E., at Khandwa S.  $73^{\circ}$  E. instead of N.  $25^{\circ}$  E., and at Amraoti S.  $64^{\circ}$  E. instead of N.  $70^{\circ}$  E. The same kind of irregularity, but to a smaller extent, is shewn by the wind observations in Rajputana and Central India. At Bickaneer the mean wind direction was S.  $12^{\circ}$  E., the normal being N.  $62^{\circ}$  E. and at Mount Abu S.  $69^{\circ}$  W., the normal being N.  $83^{\circ}$  W. On the Bombay coast the northerly winds contained a much stronger easterly element than usual. Thus, for example, at Ratnagiri the mean wind direction was N.  $35^{\circ}$  E. instead of N.  $34^{\circ}$  W., and at Bombay N.  $12^{\circ}$  E. instead of N.  $6^{\circ}$  E.



In Southern India the winds were almost normal in direction, and as steady as usual, but their velocity was much below the average, as is seen by the following :—

|                      | Daily wind velocity,<br>January 1886. | Normal daily wind<br>velocity, January. |
|----------------------|---------------------------------------|-----------------------------------------|
| Madura . . . . .     | 79                                    | 132                                     |
| Negapatam . . . . .  | 98                                    | 130                                     |
| Coimbatore . . . . . | 59                                    | 75                                      |
| Salem . . . . .      | 84                                    | 124                                     |
| Madras . . . . .     | 130                                   | 149                                     |

They were approximately normal in Burma, but feeble at Port Blair in the Andamans, where the average wind direction was N.  $76^{\circ}$  E., instead of S.  $87^{\circ}$  E.

*February.*—Very steady north-west winds prevailed during the month in the Punjab and the Gangetic plain. They were also stronger than usual, more especially at Delhi, Ludhiana, Dera Ismail Khan and Sirsa, and in the Gangetic Doab, South Behar and Chutia Nagpur. At several stations, as for example Gya, Allahabad, Agra, Delhi, the average daily air motion was nearly twice as large as usual. In Rajputana, Central India, and the Central Provinces, north-west winds of unusual steadiness and strength prevailed. The following examples illustrate the remarkable steadiness of the cool winds of the month in Northern and Central India :—

| STATIONS.            | STEADINESS.                     |                                  |
|----------------------|---------------------------------|----------------------------------|
|                      | Percentage, Febru-<br>ary 1886. | Average percentage,<br>February. |
| Delhi . . . . .      | 67                              | 39                               |
| Roorkee . . . . .    | 66                              | 23                               |
| Agra . . . . .       | 74                              | 38                               |
| Lucknow . . . . .    | 92                              | 44                               |
| Patna . . . . .      | 72                              | 47                               |
| Hazaribagh . . . . . | 79                              | 60                               |
| Burdwan . . . . .    | 65                              | 43                               |
| Calcutta . . . . .   | 55                              | 23                               |
| Sambalpur . . . . .  | 45                              | 19                               |
| Nagpur . . . . .     | 49                              | 17                               |
| Sutna . . . . .      | 64                              | 38                               |
| Nowgong . . . . .    | 48                              | 29                               |
| Jeypore . . . . .    | 59                              | 37                               |

In Western India, as far south as Bombay, the effect of the pronounced cold weather conditions was to give an unusual amount of easterly to the northerly winds. The

result is shewn in the mean wind direction of every station. The following are a few examples:—

| STATIONS.           | Mean wind direction,<br>February 1886. | Normal mean wind<br>direction, February. |
|---------------------|----------------------------------------|------------------------------------------|
| Hyderabad . . . . . | N. 8° E.                               | N. 31° W.                                |
| Kurrachee . . . . . | N. 13° E.                              | N. 61° W.                                |
| Bhuj . . . . .      | N. 22° E.                              | N. 7° E.                                 |
| Deesa . . . . .     | N. 21° E.                              | N. 28° W.                                |
| Surat . . . . .     | N. 33° E.                              | N. 10° W.                                |
| Malegaon . . . . .  | N. 34° E.                              | N. 6° E.                                 |
| Bombay . . . . .    | N. 5° E.                               | N. 4° W.                                 |

The winds in this part of India were characterized by the same unusual steadiness as in Northern India. For example, at Surat the percentage expressing their steadiness was 55, the normal being 30, and at Malegaon it was 37, the normal being 17.

In the Deccan and Southern India, winds were also steadier and generally approximately normal in direction. In the more southern districts the north-east winds were much feebler than usual. The following means illustrate this feature:—

| STATIONS.           | Daily wind velocity,<br>February 1886. | Normal daily wind<br>velocity, February. |
|---------------------|----------------------------------------|------------------------------------------|
| Salem . . . . .     | 91                                     | 137                                      |
| Negapatam . . . . . | 73                                     | 83                                       |
| Madura . . . . .    | 95                                     | 121                                      |

In Burma (with the exception of Arakan) winds were slightly feebler and less steady, and probably also at Port Blair, but the variations were small compared with those of Upper India.

*March.*—Was a month of storms and unsettled weather as contrasted with February, in which the weather was unusually fine and cool and skies clear. The air movement was hence marked by features the opposite of those of the preceding month. Winds were very variable and unsteady in Northern India, and in the majority of cases feebler, more especially in the Punjab and at the foot of the hills in the North-West Provinces. The following table gives the percentage of steadiness at the more important stations in Northern and Central India for comparison with the similar return given for the month of February:—

| STATIONS.            | STEADINESS.                |                               |
|----------------------|----------------------------|-------------------------------|
|                      | Percentage, March<br>1886. | Average percentage,<br>March. |
| Rawalpindi . . . . . | 13                         | 24                            |
| Sialkot . . . . .    | 10                         | 34                            |
| Delhi . . . . .      | 12                         | 47                            |
| Rooke . . . . .      | 11                         | 23                            |
| Agra . . . . .       | 16                         | 39                            |
| Bareilly . . . . .   | 28                         | 44                            |
| Patna . . . . .      | 35                         | 48                            |
| Hazaribagh . . . . . | 40                         | 61                            |

The disturbed conditions of the month in the interior gave slightly steadier and stronger sea (or south-west) winds in Bengal. The percentage of steadiness at Calcutta was 52, or 3 above the average. The average daily wind velocity at Saugor Island was 320·8 miles, the normal average being 289·2 miles.

In Sind, Rajputana, Central India and Guzerat the air motion generally presented the same abnormal features as in Upper India. Winds were light and very variable, but their mean directions deviated very slightly from the normal. South-east shore winds blew with unusual steadiness across the Coromandel coast, and were in some cases stronger than usual. The percentage at Negapatam for the month was 83, or 13 above the average, and at Salem 88, or 54 above the average. The winds were normal in direction and of average strength in Burma.

*April.*—Ordinary hot weather conditions prevailed during the month, which was very free from disturbance. Hence normal dry hot westerly and north-westerly winds blew throughout the month in Northern and Central India. They were characterized by great steadiness. The following gives data illustrating this feature for several stations:—

| STATIONS.            | STEADINESS.             |                            |
|----------------------|-------------------------|----------------------------|
|                      | Percentage, April 1886. | Average percentage, April. |
| Ludhiana . . . . .   | 49                      | 27                         |
| Roorkee . . . . .    | 38                      | 10                         |
| Agra . . . . .       | 66                      | 44                         |
| Lucknow . . . . .    | 55                      | 44                         |
| Jhansi . . . . .     | 48                      | 28                         |
| Allahabad . . . . .  | 49                      | 25                         |
| Patna . . . . .      | 37                      | 27                         |
| Sambalpur . . . . .  | 57                      | 40                         |
| Nagpur . . . . .     | 38                      | 20                         |
| Jubbulpore . . . . . | 42                      | 32                         |

They were in many cases, more especially at Allahabad, Bareilly, Lucknow, and probably over the whole of the central and eastern districts of the North-West Provinces, from 15 to 30 per cent. stronger than the normal winds of the month.

At all the hill stations in Northern India the winds were steadier and slightly stronger and blew more directly from the south than usual.

|                      | Mean wind direction, April 1886. | Normal mean wind direction, April. |
|----------------------|----------------------------------|------------------------------------|
| Simla . . . . .      | S. 3° E.                         | S. 61° W.                          |
| Chakrata . . . . .   | S. 44° W.                        | S. 68° W.                          |
| Ranikhet . . . . .   | S. 51° W.                        | S. 62° W.                          |
| Darjeeling . . . . . | S. 45° W.                        | S. 65° W.                          |

In Bengal, on the other hand, the southerly winds had more westing than usual, which was probably caused mainly (or as part of the same general action) by the increased

strength of the north-westerly winds and westerly in the eastern districts of the North-West Provinces, Behar and Chutia Nagpur.

The following table gives data in illustration :—

| STATIONS.          | DIRECTION.                       |                                    |
|--------------------|----------------------------------|------------------------------------|
|                    | Mean wind direction, April 1886. | Normal mean wind direction, April. |
| Jessore . . . . .  | S. 21° W.                        | S. 11° W.                          |
| Dacca . . . . .    | S. 7° W.                         | S. 4° E.                           |
| Calcutta . . . . . | S. 29° W.                        | S. 3° W.                           |
| Cuttack . . . . .  | S. 23° W.                        | S. 17° W.                          |

The average air motion at Saugor Island for the month was 482 miles per diem, or 82 miles above the average.

In Southern India the winds were feebler and less steady than usual. They were abnormally unsteady and variable at Bellary, and at one or two other stations in the Deccan. This was also the case at Port Blair in the Andamans. Normal winds prevailed in Burma during the month.

*May.*—The local winds at the head of the Bay blew more steadily and directly into Bengal than usual, as is shewn by the following :—

|                    | Percentage, May 1886. | Average percentage, May. | Mean wind direction, May 1886. | Normal mean wind direction, May. |
|--------------------|-----------------------|--------------------------|--------------------------------|----------------------------------|
| Dacca . . . . .    | 46                    | 60                       | S. 2° W.                       | S. 19° E.                        |
| Jessore . . . . .  | 66                    | 61                       | S. 10° W.                      | S. 10° E.                        |
| Calcutta . . . . . | 69                    | 66                       | S. 2° W.                       | S. 11° E.                        |

These sea winds extended during the month much further into the interior than usual, and very considerably modified the mean wind directions over the greater part of the Gangetic plain. In Behar, which is usually the limit of these winds in May, they prevailed with much greater steadiness than usual. On the other hand, in the western districts of the North-West Provinces the winds were from the same cause abnormally unsteady. The following data illustrate the preceding facts :—

| STATIONS.            | STEADINESS.           |                          | DIRECTION.                     |                                  |
|----------------------|-----------------------|--------------------------|--------------------------------|----------------------------------|
|                      | Percentage, May 1886. | Average percentage, May. | Mean wind direction, May 1886. | Normal mean wind direction, May. |
| Hazaribagh . . . . . | 29                    | 15                       | S. 9° E.                       | S. 77° W.                        |
| Gya . . . . .        | 48                    | 28                       | N. 10° E.                      | N. 17° E.                        |
| Patna . . . . .      | 71                    | 38                       | N. 59° E.                      | N. 54° E.                        |
| Sutna . . . . .      | 29                    | 52                       | N. 78° W.                      | N. 60° W.                        |
| Lucknow . . . . .    | 23                    | 15                       | S. 77° W.                      | N. 15° E.                        |
| Agra . . . . .       | 7                     | 30                       | S. 86° W.                      | N. 72° W.                        |
| Bareilly . . . . .   | 28                    | 2                        | S. 37° E.                      | N. 66° W.                        |
| Meerut . . . . .     | 21                    | 24                       | S. 37° E.                      | N. 32° W.                        |
| Delhi . . . . .      | 17                    | 12                       | S. 81° E.                      | N. 49° W.                        |

In fact, during the greater part of the month, abnormal east and south-east winds prevailed in the North-West Provinces and the eastern districts of the Punjab, instead of the dry north-west land-winds proper to the season.

In Central India and Rajputana the winds were normal in direction and intensity, but, further south, in the Central Provinces they were somewhat variable as compared with ordinary years, and the mean wind direction at stations in the eastern districts shifted in some cases from the north of west to the south of it. Thus :—

| STATIONS.          | STEADINESS.           |                          | DIRECTION.                     |                                  |
|--------------------|-----------------------|--------------------------|--------------------------------|----------------------------------|
|                    | Percentage, May 1886. | Average percentage, May. | Mean wind direction, May 1886. | Normal mean wind direction, May. |
| Nagpur . . . .     | 18                    | 44                       | S. 52° W.                      | N. 41° W.                        |
| Jubbulpore . . . . | 35                    | 44                       | S. 76° W.                      | N. 62° W.                        |
| Khandwa . . . .    | 42                    | 69                       | N. 57° W.                      | N. 61° W.                        |
| Amraoti . . . .    | 29                    | 52                       | N. 53° W.                      | N. 51° W.                        |

On the Bombay coast and in the Deccan, winds were quite up to their average strength. But there was the same unusual predominance of the southerly element in the westerly winds at Bombay, Poona, Sholapur, Secunderabad, Bellary, as at Nagpur and Jubbulpore in the Central Provinces. The winds were also much less steady than usual.

In Madras and Southern India generally, Ceylon, and also Burma, the variations were small and of no apparent importance. The mean wind direction at Port Blair was S. 16° E. (the normal being S. 38° W.), and at Nancowry S. (the normal being S. 43° W.), thus shewing that the south-west winds of the summer monsoon were either later in advancing up the south of the Bay than usual, or that there was more irregular cyclonic action and squally weather during the earlier uprushes of the humid south-west monsoon current.

*June.*—Over the greater part of India the normal monsoon seasonal winds prevailed. They were, although on the whole even steadier than usual, considerably below their normal strength. This latter feature was, as might be expected, more strongly marked in the winds of the interior (the Central Provinces, Deccan and Central India) than in those of the west coast. The following table shews how much the Bombay current was below its normal strength :—

| STATIONS.             | VELOCITY.                       |                                   | Defect expressed as a percentage. |
|-----------------------|---------------------------------|-----------------------------------|-----------------------------------|
|                       | Daily wind velocity, June 1886. | Normal daily wind velocity, June. |                                   |
| Kurrachee . . . . .   | 416                             | 447                               | 7                                 |
| Rajkot . . . . .      | 223                             | 375                               | 41                                |
| Bombay . . . . .      | 307                             | 392                               | 22                                |
| Poona . . . . .       | 351                             | 393                               | 11                                |
| Sholapur . . . . .    | 233                             | 294                               | 21                                |
| Belgaum . . . . .     | 511                             | 586                               | 13                                |
| Ratnagiri . . . . .   | 266                             | 301                               | 12                                |
| Mercara . . . . .     | 138                             | 223                               | 38                                |
| Coimbatore . . . . .  | 145                             | 187                               | 22                                |
| Madras . . . . .      | 167                             | 215                               | 22                                |
| Bangalore . . . . .   | 197                             | 203                               | 3                                 |
| Jubbulpore . . . . .  | 83                              | 129                               | 36                                |
| Hoshangabad . . . . . | 72                              | 110                               | 35                                |
| Khandwa . . . . .     | 194                             | 228                               | 15                                |
| Buldana . . . . .     | 211                             | 268                               | 21                                |
| Amraoti . . . . .     | 143                             | 176                               | 19                                |

So far as the preceding anemometric returns can be relied upon, they certainly appear to shew that the Bombay current was nearly up to its average strength in some parts of the Malabar coast, but was considerably below it on the Bombay coast and near its northern limits in Guzerat and Sind, and that over the whole of the Deccan and Central India it was much less powerful than usual. This deficiency of strength was more marked in Central India than the Deccan. The current in the south of the Bay was also weaker as shewn by the wind observations at Nancowry and Port Blair. It was slightly below its average strength at the head of the Bay, but winds were much steadier than usual in Behar and to a less extent in Bengal. Its influence in Upper India was less regular and powerful and more intermittent than usual, and hence the winds were remarkably unsteady in some cases, and the wind directions shewed large variations from the normal.

The following examples illustrate these features of the air motion in Upper India :—

| STATIONS.         | STEADINESS.            |                           | DIRECTION.                      |                                   |
|-------------------|------------------------|---------------------------|---------------------------------|-----------------------------------|
|                   | Percentage, June 1886. | Average percentage, June. | Mean wind direction, June 1886. | Normal mean wind direction, June. |
| Roorkee . . . .   | 16                     | 11                        | S. 6° W.                        | S. 4° E.                          |
| Bareilly . . . .  | 4                      | 15                        | N. 23° E.                       | S. 84° E.                         |
| Lucknow . . . .   | 8                      | 17                        | S. 51° W.                       | N. 51° E.                         |
| Allahabad . . . . | 35                     | 12                        | N. 28° W.                       | N. 2° E.                          |
| Agra . . . . .    | 33                     | 28                        | N. 38° W.                       | N. 68° W.                         |
| Lahore . . . . .  | 15                     | 11                        | S. 77° E.                       | N. 19° W.                         |
| Ludhiana . . . .  | 14                     | 10                        | S. 30° W.                       | N. 74° W.                         |

The winds in Burma were approximately normal, and presented, so far as can be judged from the observations, some of which are very doubtful, no large or important variations from the normal.

*July.*—The south-west monsoon winds are usually steadiest and strongest in July. They were in July 1886 on the average very considerably below their normal strength at Port Blair and Nancowry, the daily amount of wind being barely 50 per cent. of the mean July amount. They were also weak in Pegu, but at the head of the Bay they were on the contrary stronger than usual, an illustration of the large amount of variation that there may be in the horizontal velocity at different parts of the same great atmospheric current. In South Bengal the easterly element in the southerly winds was slightly less prominent than usual. At Allahabad and Benares and in South Behar winds were even more variable than usual, and there was, as shewn by the wind directions in the eastern districts of the North-West Provinces and Bundelkhand, much irregular cyclonic motion. In Upper India the easterly and south-easterly winds were unusually steady, as is shewn by the following examples :—

|                    | Percentage, July 1886. | Average percentage, July. |
|--------------------|------------------------|---------------------------|
| Lucknow . . . . .  | 41                     | 18                        |
| Agra . . . . .     | 28                     | 13                        |
| Bareilly . . . . . | 48                     | 31                        |
| Delhi . . . . .    | 28                     | 15                        |
| Rawalpindi . . . . | 54                     | 35                        |

The same abnormal steadiness characterized the winds at the hill stations and also in the Assam valley. On the west coast winds were even steadier than is usual, but the wind velocity was considerably below the average, apparently an early indication of the general weakness and early retreat of the Bombay current. The above features are shewn by the following returns:—

| STATIONS.         | STEADINESS.            |                           | VELOCITY.                            |                                   |
|-------------------|------------------------|---------------------------|--------------------------------------|-----------------------------------|
|                   | Percentage, July 1886. | Average percentage, July. | Mean daily wind velocity, July 1886. | Normal daily wind velocity, July. |
| Surat . . . .     | 90                     | 83                        | ?                                    | ?                                 |
| Bombay . . . .    | 94                     | 83                        | 406                                  | 455                               |
| Poona . . . .     | 95                     | 85                        | 358                                  | 398                               |
| Ratnagiri . . . . | 72                     | 77                        | 251                                  | 319                               |
| Belgaum . . . .   | 93                     | 90                        | 550                                  | 664                               |

The winds were even more deficient in strength in the more southern districts of Madras, and in the majority of cases were less steady than usual:—

| STATIONS.           | STEADINESS.            |                           | VELOCITY.                            |                                   |
|---------------------|------------------------|---------------------------|--------------------------------------|-----------------------------------|
|                     | Percentage, July 1886. | Average percentage, July. | Mean daily wind velocity, July 1886. | Normal daily wind velocity, July. |
| Vizagapatam . . . . | 82                     | 74                        | 40                                   | 101                               |
| Bellary . . . .     | 85                     | 88                        | 269                                  | 300                               |
| Madras . . . .      | 62                     | 65                        | 137                                  | 198                               |
| Madura . . . .      | 42                     | 86                        | 58                                   | 111                               |
| Coimbatore . . . .  | 83                     | 84                        | 139                                  | 198                               |
| Mangalore . . . .   | 52                     | 60                        | 71                                   | 78                                |

The preceding facts hence seem to indicate that both branches of the great monsoon current blew less strongly, but more steadily, during the month than usual. In their chief meeting ground, the south-eastern districts of the North-West Provinces and in Bundelkand, the winds were hence more variable than usual, but in Upper India they blew far more steadily than is usual up to the most northern districts of the Punjab.

*August.*—The abnormal features of the air movement during the month of August were generally identical in character with those of July. Winds were very weak at Port Blair and Nancowry, and also to a less extent in Pegu. In South Bengal they were of normal strength, but the easterly element was much weaker than usual and was in some cases replaced by a slight westerly component, as is shewn by the following:—

|                    | Mean wind direction, August 1886. | Normal mean wind direction, August. |
|--------------------|-----------------------------------|-------------------------------------|
|                    |                                   |                                     |
| Burdwan . . . . .  | S. 13° E.                         | S. 30° E.                           |
| Calcutta . . . . . | S. 2° E.                          | S. 17° E.                           |
| Jessore . . . . .  | S. 2° W.                          | S. 20° E.                           |
| Dacca . . . . .    | S. 4° W.                          | S. 14° E.                           |

In the eastern districts of the North-West Provinces, westerly winds, the continuation of the current across the head of the Peninsula, blew with much greater steadiness than the easterly winds they replaced. The following data illustrate this feature:—

| STATIONS.           | STEADINESS.              |                             | DIRECTION.                        |                                     |
|---------------------|--------------------------|-----------------------------|-----------------------------------|-------------------------------------|
|                     | Percentage, August 1886. | Average percentage, August. | Mean wind direction, August 1886. | Normal mean wind direction, August. |
| Benares . . . . .   | 23                       | 11                          | S. 66° W.                         | S. 49° E.                           |
| Allahabad . . . . . | 16                       | 4                           | S. 70° W.                         | N. 40° E.                           |
| Agra . . . . .      | 30                       | 10                          | S. 87° W.                         | S. 22° E.                           |

In Upper India winds were approximately normal in direction except at the foot of the hills, where they were very variable and feeble.

| STATIONS.          | STEADINESS.              |                             | VELOCITY.                              |                                   |
|--------------------|--------------------------|-----------------------------|----------------------------------------|-----------------------------------|
|                    | Percentage, August 1886. | Average percentage, August. | Mean daily wind velocity, August 1886. | Normal day wind velocity, August. |
| Bareilly . . . . . | 14                       | 16                          | 68                                     | 85                                |
| Roorkee . . . . .  | 17                       | 27                          | 37                                     | 61                                |
| Ludhiana . . . . . | 10                       | 10                          | 12                                     | 35                                |
| Sialkot . . . . .  | 40                       | 28                          | 21                                     | 52                                |

Winds on the west coast were unchanged in character. They were slightly steadier than usual, but were very considerably below their normal strength. In the southern districts of Madras they were very variable and irregular. The following table gives information for several stations as in the preceding month:—

| STATIONS.            | STEADINESS.              |                             | VELOCITY.                              |                                     |
|----------------------|--------------------------|-----------------------------|----------------------------------------|-------------------------------------|
|                      | Percentage, August 1886. | Average percentage, August. | Mean daily wind velocity, August 1886. | Normal daily wind velocity, August. |
| Bombay . . . . .     | 82                       | 81                          | 338                                    | 380                                 |
| Belgaum . . . . .    | 91                       | 89                          | 470                                    | 505                                 |
| Mangalore . . . . .  | 59                       | 62                          | 66                                     | 69                                  |
| Madras . . . . .     | 73                       | 58                          | 131                                    | 176                                 |
| Coimbatore . . . . . | 85                       | 85                          | 133                                    | 178                                 |
| Madura . . . . .     | 40                       | 86                          | 44                                     | 90                                  |

The wind observations for the month indicate that the Bombay current blew more directly across the head of the Peninsula than in ordinary years, and hence gave steadier winds than usual in Bundelkhand, Allahabad and Benares. The same action caused the winds in Upper India to be lighter and more irregular in direction, more especially in the neighbourhood of the hills. The Bengal current was not so strong relatively to the normal as the Bombay current, and the winds in Bengal and at the head of the Bay under the pressure of the current from the west coast had a much smaller tendency to deflect to the west up the Gangetic Valley, and hence blew more directly into East Bengal than usual.



*September.*—Winds were slightly steadier than usual at the Bay Islands and on the north and east coasts of the Bay. They were also very steady in Bengal and Behar, and fairly normal in direction. Over the whole of Upper and Central India, in consequence of the cessation of the rains in the first week of the month, dry north-westerly land-winds set in unusually early, and blew with great steadiness during the remainder of the month. They extended over the Punjab, Rajputana, Central India, the North-West Provinces and the greater part of the Central Provinces.

The following table gives data in illustration:—

| STATIONS.           | STEADINESS.                 |                                | DIRECTION.                           |                                        |
|---------------------|-----------------------------|--------------------------------|--------------------------------------|----------------------------------------|
|                     | Percentage, September 1886. | Average percentage, September. | Mean wind direction, September 1886. | Normal mean wind direction, September. |
| Delhi . . . . .     | 44                          | 15                             | N. 64° W.                            | N. 32° W.                              |
| Sirsa . . . . .     | 69                          | 19                             | S. 75° W.                            | N. 79° W.                              |
| Agra . . . . .      | 71                          | 13                             | N. 37° W.                            | N. 26° W.                              |
| Allahabad . . . . . | 30                          | 11                             | N. 41° W.                            | N. 42° E.                              |
| Seoni . . . . .     | 43                          | 29                             | N. 43° W.                            | N. 56° W.                              |
| Nagpur . . . . .    | 59                          | 37                             | N. 27° W.                            | N. 54° W.                              |
| Sutna . . . . .     | 58                          | 31                             | N. 46° W.                            | N. 55° W.                              |
| Nowgong . . . . .   | 65                          | 28                             | N. 80° W.                            | N. 67° W.                              |
| Jeypore . . . . .   | 62                          | 43                             | N. 39° W.                            | N. 29° W.                              |
| Ajmere . . . . .    | 72                          | 44                             | N. 81° W.                            | S. 80° W.                              |

The winds were less steady on the Bombay coast, and their mean direction had a feeble northerly element in place of the normal southerly element.

| STATIONS.           | STEADINESS.                 |                                | DIRECTION.                           |                                        |
|---------------------|-----------------------------|--------------------------------|--------------------------------------|----------------------------------------|
|                     | Percentage, September 1886. | Average percentage, September. | Mean wind direction, September 1886. | Normal mean wind direction, September. |
| Bombay . . . . .    | 47                          | 55                             | N. 70° W.                            | S. 89° W.                              |
| Ratnagiri . . . . . | 47                          | 55                             | N. 48° W.                            | S. 88° W.                              |

On the Malabar coast and in Southern India the air motion was generally normal in character, except locally at Vizagapatam and Madura, where winds were apparently very weak in comparison with the normal winds of the month.

The chief feature of the month was hence the unusual weakness of the Bombay current, more especially near its upper northern limits, which was chiefly shewn by its early permanent retreat from Upper India in the first week of the month, and the subsequent prevalence of dry north-west land-winds. The Bengal current blew with considerable steadiness and strength, but did not penetrate beyond Behar and the eastern districts of the North-West Provinces.

*October.*—The weather in October was very abnormal in consequence of the unusual character and position of the depressions which formed near the west coast of the Bay. These cyclonic circulations were antagonistic to the prevalence of north-west winds in Northern India, and the damp easterly winds in their northern quadrants carried an unusual

amount of moisture into Bengal and Behar, and were continued up the Gangetic valley as light easterly winds. The winds in Upper India were hence unusually variable during the month, and the mean wind directions present an easterly instead of a westerly element in the great majority of cases, as is shewn by the results in the following table :—

| STATIONS.          | STEADINESS.               |                              | DIRECTION.                         |                                      |
|--------------------|---------------------------|------------------------------|------------------------------------|--------------------------------------|
|                    | Percentage, October 1886. | Average percentage, October. | Mean wind direction, October 1886. | Normal mean wind direction, October. |
| Delhi . . . . .    | 4                         | 47                           | N. 75° E.                          | N. 49° W.                            |
| Bareilly . . . . . | 9                         | 23                           | N. 15° E.                          | N. 59° W.                            |
| Meerut . . . . .   | 10                        | 40                           | N. 3° E.                           | N. 48° W.                            |
| Nowgong . . . . .  | 14                        | 35                           | N. 3° W.                           | N. 42° W.                            |
| Ajmere . . . . .   | 25                        | 23                           | N. 61° E.                          | N. 76° W.                            |

The winds were, from the same meteorological conditions, much steadier in Bengal and Behar :—

|                    | Percentage, October 1886. | Average percentage, October. |
|--------------------|---------------------------|------------------------------|
| Patna . . . . .    | 10                        | 4                            |
| Gya . . . . .      | 40                        | 4                            |
| Calcutta . . . . . | 21                        | 11                           |

The almost continuous succession of feeble depressions in the Bay also caused the winds at Port Blair and Nancowry and in Pegu and Arakan to be much steadier than usual, as is shewn by the following :—

| STATIONS.            | STEADINESS.               |                              | DIRECTION.                         |                                      |
|----------------------|---------------------------|------------------------------|------------------------------------|--------------------------------------|
|                      | Percentage, October 1886. | Average percentage, October. | Mean wind direction, October 1886. | Normal mean wind direction, October. |
| Diamond Island . . . | 57                        | 18                           | S. 81° E.                          | S. 49° E.                            |
| Port Blair . . . . . | 32                        | 24                           | S. 50° W.                          | S. 5° W.                             |
| Nancowry . . . . .   | 79                        | 53                           | S. 26° W.                          | S. 39° W.                            |

Winds on the other hand were very light and unsteady in the Bombay coast districts and the Deccan, but in the most southerly districts of the Peninsula they were, as in the east and south-east of the Bay, much less variable than usual. The following data shew the variability and unsteadiness of the winds in Bombay :—

| STATIONS.            | STEADINESS.               |                              | DIRECTION.                         |                                      |
|----------------------|---------------------------|------------------------------|------------------------------------|--------------------------------------|
|                      | Percentage, October 1886. | Average percentage, October. | Mean wind direction, October 1886. | Normal mean wind direction, October. |
| Bombay . . . . .     | 13                        | 38                           | S. 55° E.                          | N. 15° E.                            |
| Belgaum . . . . .    | 35                        | 72                           | S. 58° W.                          | N. 88° E.                            |
| Secunderabad . . . . | 11                        | 44                           | N. 23° W.                          | N. 30° E.                            |

*November.*—The weather in the Bay was much disturbed during the month, and cyclonic winds prevailed to an unusual extent over it and the adjacent coast districts.

Hence the winds in Bengal were stronger and steadier than is usual in November, and contained a much stronger easterly component than usual. The abnormal prevalence of north-easterly and easterly winds in Bengal and Behar was accompanied by light and unsteady north-west winds in Upper India. For example,—

|                     | Percentage,<br>November 1886. | Average percentage,<br>November. |
|---------------------|-------------------------------|----------------------------------|
| Lahore . . . . .    | 4                             | 22                               |
| Delhi . . . . .     | 27                            | 50                               |
| Roorkee . . . . .   | 12                            | 28                               |
| Bareilly . . . . .  | 33                            | 42                               |
| Allahabad . . . . . | 12                            | 21                               |
| Benares . . . . .   | 15                            | 42                               |

In the Central Provinces and Central India, and over nearly the whole of the Deccan and Madras, winds were normal in direction and intensity. On the Bombay coast they were slightly steadier, and at both Bombay and Ratnagiri they had a feeble and unusual easterly element. In Arakan and Pegu they were very steady, and over the east and south of the Bay the air motion was above the average.

*December.*—A small cyclonic storm gave abnormal winds in Southern India and the Deccan during the first week of the month, but afterwards ordinary cold weather winds prevailed over the whole country. Winds were generally steadier than usual in Upper India. In Bengal they were less steady, and an abnormal feature presented itself, *viz.*, the unusual strength of the westerly element of the cold weather winds in Bengal, as is shewn by the following:—

|                    | Mean wind direction,<br>December 1886. | Normal mean wind<br>direction, December. |
|--------------------|----------------------------------------|------------------------------------------|
| Jessore . . . . .  | N. 35° W.                              | N. 13° W.                                |
| Calcutta . . . . . | N. 26° W.                              | N. 26° W.                                |
| Dacca . . . . .    | N. 70° W.                              | N. 36° W.                                |

This marked extension of dry north-westerly winds into the more eastern districts of East Bengal became a prominent feature of the early months of 1887.

Over nearly the whole of the Peninsula, and also in Burma and at the Bay Islands, winds were practically normal in direction and strength. The only marked exception was in the Bombay coast districts and the Bombay Deccan, where the winds shewed in some cases the same abnormal features as in the month of November. This is illustrated by the following data:—

| STATIONS.           | STEADINESS.                   |                                  | DIRECTION.                               |                                          |
|---------------------|-------------------------------|----------------------------------|------------------------------------------|------------------------------------------|
|                     | Percentage,<br>December 1886. | Average percentage,<br>December. | Mean wind direc-<br>tion, December 1886. | Normal mean wind<br>direction, December. |
| Bellary . . . . .   | 52                            | 72                               | S. 75° E.                                | S. 85° E.                                |
| Belgaum . . . . .   | 57                            | 70                               | N. 76° E.                                | S. 87° E.                                |
| Ratnagiri . . . . . | 42                            | 36                               | N. 14° E.                                | N. 4° W.                                 |

The preceding discussion has shewn that there were many striking variations in the lower air motion over India during the year 1886. Winds were more variable and less steady in the months of January and March than usual, but this was mainly due to the occurrence of a large number of cold-weather storms. During the months of February and April, when the weather stood in marked contrast to that of the months of January and March in the almost entire absence of atmospheric disturbance, the winds in Northern India were remarkably and abnormally steady and generally stronger than usual. The intense heat and dryness of April was followed by an unusually strong influx of sea-winds from the head of the Bay across Bengal into Behar, and along the foot of the hills into Upper India. In Central India and the Central Provinces the ordinary winds of the month prevailed. The months of May and June introduced the larger circulation of the south-west monsoon current. The conditions in the land area, so far as they were indicated by distribution of pressure, temperature and winds, were very approximately normal over the whole area except Bengal and Behar and the submontane districts of North-Eastern India. Nevertheless the circulation was much weaker than usual. This was especially marked in the case of the Bombay current. It gave feebler winds than usual, more especially near its northern limits, in the months of June, July and August. It was somewhat late in being established in the Bombay coast. It retreated from the Punjab, Rajputana, Central India, and the Central Provinces unusually early, in the first week of September, and gradually contracted southwards during that month and in October, during which time it gave very feeble winds on the Malabar coast and the Bombay Deccan districts. The conditions and phenomena seem to point rather to abnormal conditions over the sea area than in India itself, but this is a point which can only be conjectured in the absence of meteorological information from the Arabian Sea and North Indian Ocean.

The Bengal current appears also to have been weaker than usual, and probably from the same abnormal conditions over the oceanic area to the south of India. It gave abundant rain to the whole of Bengal during the south-west monsoon proper. During the months of October and November and the first fortnight of December a succession of depressions formed in the Bay and passed over or into the Peninsula. Those formed in October were of feeble intensity and diffused in character, and hence distributed rainfall over the greater part of the Peninsula. Those of November and December were concentrated cyclones which gave heavy or excessive rain to the areas over which they passed. This frequent repetition of storms in the Bay is generally an indication of the weakness of the south-west monsoon current and of abnormal conditions in the Bay. After the disappearance of the last storm of the year in the second week of December, cold-weather conditions were established over the whole of India, and the winds assumed their usual cold-weather directions and character.

## HYGROMETRY.

The hygrometric data for the year are given in Tables X, XI and XII of the Appendix. The first of these gives the monthly means of the readings of the wet-bulb thermometer at each hour of observation, of the minimum wet-bulb, the mean range, and the adopted mean wet-bulb temperature of each month (which, in nearly all cases, is the average of the 10h., 16h., and minimum readings), and the difference of these several values and the corresponding air temperatures. The mode of exposure adopted for the hygrometers has been already described in the section on air temperature, and is such that the wet-bulb is freely exposed to the wind. This is an essential condition; and when a gentle or even moderately strong breeze is blowing, it has been found that the temperature of the wet-bulb thermometer approximates very closely to that assumed in Regnault's hygrometric formula; but in a perfectly calm state of the atmosphere, the vapour which is given off from the wet-bulb is not removed with sufficient rapidity, and the temperature marked is somewhat too high. The free exposure of the thermometer, under an open shed, reduces this cause of error to a minimum; but at certain seasons of the year, and at certain stations, it probably still affects the readings to some small extent.

The second table (XI of the Appendix) shews the mean vapour tensions of the several months, the monthly means of observation for the two hours (10 A.M. and 4 P.M.) and those deduced from the readings of the minimum dry and wet-bulbs; and the third table (XII of Appendix) gives the mean relative humidities similarly obtained. In all cases, including the Ceylon stations, the hygrometric data are taken from the tables accompanying the *Vade Mecum*, which are computed to the vapour tension of lat.  $22^{\circ}$ , by means of Regnault's modification of August's formula. In these, a constant barometric pressure is assumed for the same station, *viz.*, 29.7 inches for stations up to 1,000 feet elevation, 27.7 inches for stations between 1,000 and 3,000 feet, 25.8 inches for those between 3,000 feet and 5,000 feet, 23.5 inches for the hill stations of the Nilgiris and the Himalayas, all of which are between 6,000 and 8,000 feet, and 19.7 inches for the hill stations of Leh and Kailang, which are at elevations of between 10,000 and 11,500 feet.

The four tables which follow (Tables XIX to XXII), shew the average vapour tension and relative humidity at 124 stations in India, Burma, &c., computed from as many years as have yielded comparable data, and the differences of these averages and those of the year 1886. In these tables of averages there have been included only two classes of data, namely, those deduced from the 10h., 16h., and minimum readings, and those formerly recorded at six-hourly intervals at certain stations. The difference of the results obtained by these two methods is insufficient seriously to affect the general validity of the averages; and they may be used as a fair approximation for the purpose of comparison until such time as a discussion of the hourly observations, recorded for some years past at several of the leading stations, shall afford the means of correcting the whole, more accurately, to a common standard.

In the case of the Ceylon stations, the averages given are those of the observations of 9h. 30m. and 15h. 30m. only.

Tables XXIII and XXIV give a geographical summary of the data of Tables XXI and XXII, on a plan similar to that adopted in the cases of Tables XIII and XVI, in previous sections of this report.

TABLE XIX.—Average monthly mean vapour tension of 124 stations in India, Ceylon, &amp;c.

| STATIONS.          | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Aden . . .         | 4—7    | '638     | '653      | '709   | '767   | '853 | '847  | '810  | '792    | '837       | '721     | '644      | '635      | '742  |
| Mauritius . .      | 15—16  | '740     | '748      | '735   | '701   | '607 | '540  | '510  | '514    | '525       | '557     | '612      | '699      | '624  |
| Bushire . . .      | 8—10   | '354     | '346      | '402   | '505   | '658 | '778  | '884  | '935    | '835       | '633     | '496      | '390      | '601  |
| Amini Divi . .     | 3      | P        | P         | P      | P      | P    | '834  | '901  | '899    | '868       | P        | P         | P         | P     |
| Quetta . . .       | 7—9    | '162     | '164      | '220   | '252   | '293 | '378  | '466  | '380    | '252       | '201     | '154      | '143      | '255  |
| Leh . . . . .      | 6      | '070     | '072      | '098   | '105   | '123 | '178  | '246  | '264    | '177       | '099     | '081      | '074      | '132  |
| Mooltan . . .      | 9—12   | '258     | '256      | '370   | '437   | '594 | '770  | '874  | '878    | '792       | '523     | '346      | '262      | '530  |
| Dera Ismail Khan . | 10—11  | '227     | '218      | '329   | '396   | '466 | '655  | '831  | '848    | '685       | '409     | '274      | '224      | '464  |
| Peshawar . . .     | 10—11  | '230     | '224      | '332   | '411   | '438 | '522  | '704  | '760    | '608       | '378     | '272      | '230      | '426  |
| Murree . . . .     | 9—10   | '141     | '145      | '187   | '236   | '274 | '371  | '529  | '551    | '430       | '240     | '162      | '138      | '284  |
| Rawalpindi . .     | 10—12  | '254     | '262      | '352   | '425   | '507 | '629  | '779  | '810    | '668       | '418     | '288      | '242      | '470  |
| Sialkot . . . .    | 9—12   | '297     | '302      | '387   | '394   | '452 | '632  | '852  | '876    | '748       | '469     | '324      | '298      | '503  |
| Lahore . . . .     | 12     | '271     | '276      | '355   | '387   | '449 | '609  | '853  | '850    | '728       | '467     | '318      | '280      | '487  |
| Ludhiana . . .     | 8—12   | '284     | '301      | '374   | '428   | '519 | '633  | '861  | '858    | '775       | '490     | '307      | '274      | '509  |
| Chamba . . . .     | 3      | P        | P         | P      | P      | P    | P     | P     | P       | P          | '350     | '243      | '201      | P     |
| Simla . . . . .    | 6—9    | '159     | '154      | '205   | '258   | '302 | '422  | '544  | '537    | '467       | '265     | '183      | '147      | '304  |
| Delhi . . . . .    | 9—12   | '282     | '272      | '345   | '366   | '510 | '704  | '872  | '847    | '752       | '483     | '322      | '269      | '502  |
| Sirsa . . . . .    | 9—11   | '247     | '242      | '338   | '376   | '487 | '635  | '824  | '789    | '676       | '387     | '256      | '232      | '457  |
| Chakrata . . .     | 9—11   | '157     | '158      | '195   | '220   | '283 | '410  | '542  | '538    | '471       | '278     | '196      | '150      | '300  |
| Roorkee . . . .    | 11     | '285     | '281      | '337   | '322   | '424 | '638  | '870  | '855    | '771       | '495     | '331      | '282      | '491  |
| Ranikhet . . .     | 11     | '191     | '188      | '232   | '258   | '327 | '465  | '577  | '568    | '512       | '329     | '241      | '193      | '340  |
| Pithoragarh . .    | 5—6    | '224     | '202      | '257   | '264   | '362 | '535  | '643  | '626    | '575       | '375     | '265      | '220      | '379  |
| Meerut . . . .     | 9—11   | '288     | '291      | '377   | '416   | '513 | '681  | '874  | '860    | '754       | '500     | '327      | '284      | '514  |
| Bareilly . . . .   | 10—11  | '315     | '310      | '401   | '418   | '552 | '755  | '919  | '900    | '826       | '565     | '373      | '306      | '553  |
| Agra . . . . .     | 11     | '288     | '265      | '324   | '342   | '451 | '668  | '902  | '879    | '779       | '490     | '306      | '277      | '498  |
| Lucknow . . . .    | 11     | '300     | '290      | '371   | '415   | '558 | '762  | '916  | '907    | '840       | '582     | '351      | '304      | '550  |
| Gorakhpur . . .    | 9—11   | '353     | '340      | '436   | '459   | '673 | '859  | '953  | '950    | '910       | '689     | '442      | '367      | '619  |
| Jhansi . . . . .   | 11     | '279     | '256      | '314   | '351   | '447 | '675  | '851  | '844    | '765       | '504     | '291      | '260      | '486  |
| Allahabad . . .    | 11—13  | '346     | '333      | '383   | '407   | '550 | '765  | '959  | '947    | '903       | '647     | '413      | '351      | '584  |
| Benares . . . .    | 10—11  | '315     | '289      | '339   | '360   | '539 | '757  | '925  | '923    | '872       | '655     | '391      | '319      | '557  |
| Katmandu . . .     | 6—7    | '248     | '233      | '312   | '345   | '484 | '629  | '686  | '674    | '626       | '480     | '327      | '271      | '443  |
| Sibsagar . . . .   | 12     | '417     | '442      | '537   | '660   | '774 | '913  | '942  | '937    | '912       | '786     | '582      | '447      | '696  |
| Dhubri . . . . .   | 5—6    | '425     | '372      | '491   | '647   | '774 | '903  | '945  | '927    | '894       | '788     | '571      | '471      | '684  |
| Silchar . . . .    | 12     | '423     | '439      | '582   | '719   | '787 | '908  | '932  | '919    | '902       | '811     | '614      | '475      | '709  |
| Darjeeling . . .   | 9—11   | '200     | '205      | '254   | '315   | '396 | '493  | '519  | '507    | '482       | '368     | '264      | '213      | '351  |

TABLE XIX.—Average monthly mean vapour tension of 124 stations in India, Ceylon, &c.  
—continued.

| STATIONS.                | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Purneah . . .            | 8—11   | '364     | '368      | '464   | '594   | '772 | '916  | '976  | '970    | '944       | '766     | '517      | '412      | '672  |
| Durbhunga . . .          | 9—11   | '397     | '373      | '456   | '548   | '759 | '914  | '969  | '963    | '943       | '773     | '528      | '432      | '671  |
| Patna . . .              | 11—12  | '360     | '354      | '409   | '462   | '693 | '868  | '950  | '952    | '916       | '705     | '453      | '374      | '625  |
| Gya . . .                | 11—12  | '316     | '305      | '376   | '520   | '687 | '837  | '922  | '923    | '892       | '661     | '416      | '334      | '599  |
| Hazaribagh . . .         | 10—12  | '265     | '248      | '299   | '306   | '490 | '690  | '820  | '801    | '768       | '550     | '347      | '274      | '488  |
| Berhampore . . .         | 11—12  | '388     | '392      | '517   | '626   | '799 | '929  | '957  | '945    | '933       | '792     | '552      | '429      | '688  |
| Burdwan . . .            | 11—12  | '403     | '411      | '551   | '662   | '822 | '939  | '963  | '955    | '944       | '810     | '549      | '419      | '702  |
| Jessore . . .            | 11—12  | '419     | '443      | '619   | '773   | '881 | '973  | '984  | '970    | '958       | '851     | '589      | '447      | '742  |
| Dacca . . .              | 11     | '434     | '447      | '632   | '807   | '880 | '971  | '984  | '975    | '969       | '864     | '621      | '480      | '755  |
| Chittagong . . .         | 10—11  | '466     | '506      | '678   | '817   | '856 | '821  | '911  | '909    | '916       | '857     | '685      | '523      | '745  |
| Calcutta (Alipore) . . . | 9—10   | '438     | '498      | '672   | '812   | '886 | '971  | '973  | '968    | '958       | '853     | '586      | '448      | '755  |
| Do, (Chowringhee). . .   | 5—7    | '463     | '494      | '674   | '794   | '886 | '979  | '985  | '970    | '963       | '858     | '577      | '467      | '759  |
| Saugor Island . . .      | 18—19  | '532     | '631      | '818   | '938   | '984 | 1'025 | 1'004 | '997    | '982       | '867     | '635      | '506      | '827  |
| Cuttack . . .            | 10—11  | '473     | '522      | '656   | '748   | '822 | '893  | '902  | '908    | '903       | '793     | '581      | '459      | '722  |
| False Point . . .        | 6—9    | '531     | '621      | '762   | '888   | '936 | '957  | '934  | '932    | '932       | '839     | '606      | '478      | '785  |
| Sambalpur . . .          | 9—11   | '453     | '482      | '543   | '559   | '701 | '836  | '907  | '913    | '910       | '790     | '546      | '434      | '673  |
| Raipur . . .             | 11—12  | '360     | '368      | '389   | '426   | '501 | '732  | '831  | '830    | '811       | '663     | '446      | '354      | '559  |
| Nagpur . . .             | 11—12  | '352     | '332      | '338   | '354   | '439 | '705  | '810  | '790    | '767       | '591     | '401      | '344      | '519  |
| Seoni . . .              | 10     | '319     | '309      | '320   | '348   | '444 | '671  | '752  | '740    | '701       | '528     | '351      | '303      | '482  |
| Jubbulpore . . .         | 10—12  | '324     | '311      | '337   | '330   | '410 | '694  | '813  | '804    | '775       | '578     | '365      | '304      | '504  |
| Saugor . . .             | 8—10   | '265     | '246      | '286   | '309   | '368 | '608  | '768  | '784    | '726       | '512     | '294      | '265      | '453  |
| Pachmarhi . . .          | 11—12  | '273     | '241      | '252   | '251   | '354 | '597  | '674  | '663    | '628       | '451     | '299      | '266      | '412  |
| Hoshangabad . . .        | 10—11  | '337     | '304      | '316   | '328   | '446 | '733  | '827  | '817    | '785       | '608     | '385      | '337      | '519  |
| Khandwa . . .            | 10—12  | '337     | '326      | '318   | '351   | '497 | '712  | '779  | '762    | '741       | '556     | '355      | '327      | '505  |
| Chanda . . .             | 9—11   | '419     | '411      | '418   | '428   | '504 | '737  | '806  | '813    | '813       | '703     | '500      | '405      | '580  |
| Sironcha . . .           | 10—11  | '457     | '476      | '506   | '549   | '613 | '774  | '831  | '847    | '841       | '734     | '561      | '458      | '637  |
| Chikalda . . .           | 10—11  | '315     | '299      | '311   | '277   | '374 | '585  | '652  | '642    | '627       | '484     | '368      | '313      | '437  |
| Buldana . . .            | 8—11   | '336     | '312      | '316   | '339   | '477 | '683  | '718  | '706    | '691       | '570     | '414      | '353      | '493  |
| Akola . . .              | 10—11  | '323     | '287      | '291   | '280   | '403 | '676  | '759  | '741    | '733       | '586     | '388      | '330      | '483  |
| Amraoti . . .            | 10—11  | '333     | '321      | '324   | '353   | '440 | '697  | '767  | '748    | '728       | '553     | '384      | '330      | '498  |
| Neemuch . . .            | 9—10   | '221     | '211      | '260   | '277   | '389 | '594  | '736  | '730    | '687       | '447     | '248      | '229      | '419  |
| Nowgong . . .            | 7—10   | '283     | '269      | '324   | '362   | '412 | '721  | '868  | '851    | '794       | '546     | '323      | '297      | '504  |
| Sutna . . .              | 10—11  | '265     | '224      | '248   | '255   | '373 | '633  | '826  | '820    | '763       | '519     | '290      | '248      | '455  |
| Indore . . .             | 8—9    | '263     | '231      | '249   | '254   | '409 | '666  | '750  | '739    | '708       | '507     | '298      | '253      | '444  |
| Bickaneer . . .          | 6—10   | '196     | '242      | '333   | '417   | '505 | '653  | '739  | '761    | '723       | '476     | '257      | '190      | '458  |

TABLE XIX.—Average monthly mean vapour tension of 124 stations in India, Ceylon, &c.  
—continued.

| STATIONS.        | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Jeypore . .      | 6      | '285     | '256      | '326   | '316   | '456 | '687  | '851  | '791    | '690       | '435     | '279      | '276      | '471  |
| Sambhar . .      | 4—7    | '257     | '216      | '286   | '331   | '451 | '634  | '804  | '765    | '666       | '426     | '246      | '243      | '444  |
| Ajmere . .       | 10—11  | '269     | '255      | '331   | '381   | '514 | '662  | '769  | '768    | '701       | '478     | '303      | '267      | '475  |
| Mount Abu . .    | 7—11   | '193     | '171      | '209   | '243   | '344 | '553  | '622  | '599    | '549       | '349     | '228      | '210      | '356  |
| Pachpadra . .    | 5—8    | '228     | '171      | '269   | '389   | '561 | '742  | '816  | '770    | '699       | '434     | '227      | '209      | '460  |
| Jacobabad . .    | 8—10   | '223     | '213      | '340   | '406   | '504 | '685  | '823  | '819    | '723       | '467     | '313      | '238      | '480  |
| Hyderabad . .    | 7—10   | '286     | '278      | '405   | '508   | '638 | '754  | '805  | '798    | '764       | '494     | '387      | '276      | '533  |
| Kurrachee . .    | 11—12  | '353     | '400      | '600   | '697   | '887 | '951  | '917  | '852    | '837       | '655     | '454      | '382      | '665  |
| Bhuj . .         | 8—11   | '287     | '292      | '394   | '479   | '657 | '787  | '816  | '771    | '732       | '534     | '313      | '278      | '528  |
| Rajkot . .       | 7—10   | '218     | '235      | '310   | '362   | '579 | '716  | '780  | '758    | '734       | '524     | '275      | '259      | '479  |
| Deesa . .        | 12     | '264     | '231      | '326   | '364   | '598 | '737  | '827  | '794    | '747       | '464     | '288      | '269      | '492  |
| Surat . .        | 9—10   | '391     | '389      | '497   | '569   | '742 | '821  | '864  | '842    | '838       | '712     | '502      | '426      | '633  |
| Malegaon . .     | 8—10   | '290     | '316      | '322   | '328   | '489 | '691  | '713  | '689    | '682       | '554     | '375      | '326      | '481  |
| Bombay . .       | 40     | '578     | '606      | '716   | '817   | '882 | '929  | '913  | '883    | '870       | '846     | '698      | '621      | '780  |
| Poona . .        | 11—12  | '326     | '292      | '326   | '383   | '506 | '682  | '695  | '681    | '670       | '556     | '416      | '333      | '489  |
| Sholapur . .     | 9—10   | '339     | '306      | '322   | '364   | '446 | '602  | '642  | '647    | '652       | '577     | '457      | '379      | '478  |
| Ratnagiri . .    | 10     | '563     | '598      | '721   | '796   | '829 | '848  | '858  | '850    | '839       | '801     | '666      | '569      | '745  |
| Belgaum . .      | 11—12  | '359     | '341      | '416   | '515   | '594 | '661  | '669  | '656    | '645       | '587     | '466      | '382      | '524  |
| Karwar . .       | 7—9    | '594     | '652      | '764   | '831   | '858 | '844  | '828  | '832    | '823       | '820     | '715      | '614      | '765  |
| Vizagapatam . .  | 17     | '582     | '644      | '746   | '841   | '909 | '885  | '854  | '878    | '885       | '818     | '653      | '552      | '771  |
| Rajahmundry . .  | 3      | P        | P         | P      | P      | P    | '801  | '823  | '817    | '810       | '773     | '588      | '547      | P     |
| Masulipatam . .  | 11—12  | '626     | '669      | '778   | '899   | '936 | '866  | '848  | '858    | '854       | '840     | '732      | '638      | '795  |
| Secunderabad . . | 12     | '401     | '396      | '427   | '460   | '496 | '626  | '670  | '674    | '689       | '602     | '476      | '410      | '527  |
| Kurnool . .      | 3—4    | P        | '462      | '577   | '636   | '695 | '756  | '769  | '760    | '761       | '765     | '635      | '565      | P     |
| Bellary . .      | 11—12  | '403     | '352      | '371   | '466   | '562 | '651  | '657  | '662    | '658       | '627     | '532      | '458      | '533  |
| Mangalore . .    | 6—7    | '601     | '679      | '803   | '870   | '864 | '858  | '841  | '836    | '830       | '832     | '752      | '646      | '784  |
| Mercara . .      | 6—7    | '428     | '401      | '483   | '590   | '622 | '609  | '585  | '588    | '583       | '592     | '540      | '467      | '541  |
| Bangalore . .    | 11—12  | '395     | '394      | '452   | '533   | '590 | '616  | '607  | '607    | '597       | '590     | '525      | '453      | '530  |
| Cuddapah . .     | 3      | P        | P         | P      | '570   | '673 | '715  | '724  | '731    | '727       | '756     | '653      | '613      | P     |
| Madras . .       | 12     | '627     | '650      | '756   | '845   | '850 | '781  | '765  | '791    | '793       | '807     | '745      | '681      | '758  |
| Salem . .        | 12     | '557     | '544      | '615   | '715   | '767 | '755  | '742  | '753    | '745       | '754     | '694      | '622      | '689  |
| Wellington . .   | 9—10   | '309     | '281      | '337   | '387   | '443 | '441  | '421  | '437    | '423       | '443     | '411      | '347      | '390  |
| Coimbatore . .   | 11—12  | '500     | '496      | '589   | '662   | '696 | '681  | '663  | '678    | '670       | '689     | '647      | '569      | '628  |
| Trichinopoly . . | 12     | '605     | '606      | '668   | '715   | '737 | '718  | '700  | '717    | '723       | '761     | '728      | '660      | '695  |
| Negapatam . .    | 11—12  | '682     | '680      | '774   | '877   | '863 | '783  | '764  | '792    | '804       | '818     | '776      | '724      | '778  |



TABLE XIX.—Average monthly mean vapour tension of 124 stations in India, Ceylon, &c.  
—concluded.

| STATIONS.        | Years. | January. | February. | March. | Ap ril. | May  | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------|--------|----------|-----------|--------|---------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Madura . . .     | 8—11   | ·625     | ·616      | ·678   | ·733    | ·747 | ·715  | ·702  | ·718    | ·720       | ·746     | ·725      | ·671      | ·700  |
| Cochin . . .     | 12     | ·688     | ·746      | ·839   | ·886    | ·893 | ·858  | ·837  | ·830    | ·833       | ·833     | ·810      | ·734      | ·816  |
| Colombo . . .    | 17     | ·746     | ·764      | ·827   | ·872    | ·897 | ·871  | ·852  | ·844    | ·843       | ·830     | ·810      | ·769      | ·827  |
| Jaffna . . .     | 16     | ·735     | ·732      | ·829   | ·940    | ·999 | ·961  | ·920  | ·921    | ·926       | ·905     | ·853      | ·797      | ·877  |
| Trincomalee . .  | 14—16  | ·750     | ·759      | ·819   | ·836    | ·825 | ·811  | ·795  | ·791    | ·785       | ·803     | ·820      | ·791      | ·799  |
| Batticaloa . .   | 16—17  | ·791     | ·795      | ·846   | ·890    | ·895 | ·855  | ·845  | ·855    | ·851       | ·864     | ·842      | ·817      | ·846  |
| Hambantota . .   | 14—17  | ·821     | ·830      | ·867   | ·905    | ·918 | ·888  | ·875  | ·877    | ·876       | ·873     | ·866      | ·840      | ·870  |
| Galle . . .      | 17—18  | ·838     | ·842      | ·869   | ·910    | ·935 | ·927  | ·917  | ·904    | ·917       | ·905     | ·884      | ·854      | ·892  |
| Kandy . . .      | 16—17  | ·647     | ·627      | ·673   | ·732    | ·762 | ·732  | ·717  | ·711    | ·708       | ·715     | ·705      | ·678      | ·701  |
| Newera Eliya . . | 15—17  | ·381     | ·347      | ·364   | ·399    | ·445 | ·450  | ·432  | ·432    | ·428       | ·436     | ·419      | ·403      | ·411  |
| Akyab . . .      | 9—11   | ·501     | ·523      | ·687   | ·823    | ·884 | ·916  | ·917  | ·912    | ·911       | ·882     | ·755      | ·592      | ·775  |
| Thayetmyo . .    | 8—10   | ·477     | ·455      | ·596   | ·714    | ·829 | ·892  | ·900  | ·893    | ·890       | ·869     | ·736      | ·573      | ·735  |
| Toungoo . . .    | 7—9    | ·528     | ·538      | ·631   | ·724    | ·810 | ·860  | ·866  | ·868    | ·880       | ·870     | ·771      | ·642      | ·749  |
| Bassein . . .    | 9—10   | ·566     | ·589      | ·697   | ·788    | ·858 | ·902  | ·894  | ·893    | ·892       | ·891     | ·810      | ·670      | ·788  |
| Diamond Island . | 7—9    | ·638     | ·684      | ·781   | ·865    | ·899 | ·891  | ·882  | ·883    | ·882       | ·883     | ·811      | ·709      | ·817  |
| Rangoon . . .    | 10—11  | ·564     | ·571      | ·670   | ·792    | ·866 | ·903  | ·888  | ·894    | ·896       | ·899     | ·800      | ·678      | ·785  |
| Moulmein . . .   | 8—10   | ·565     | ·604      | ·717   | ·789    | ·850 | ·869  | ·857  | ·863    | ·866       | ·868     | ·760      | ·654      | ·772  |
| Mergui . . .     | 9—10   | ·706     | ·782      | ·838   | ·887    | ·890 | ·858  | ·846  | ·855    | ·853       | ·855     | ·791      | ·699      | ·822  |
| Port Blair . . . | 9—11   | ·797     | ·824      | ·883   | ·933    | ·947 | ·918  | ·904  | ·901    | ·896       | ·916     | ·888      | ·836      | ·887  |
| Nancowry . . .   | 11—12  | ·793     | ·811      | ·840   | ·885    | ·890 | ·883  | ·872  | ·860    | ·854       | ·865     | ·855      | ·807      | ·851  |

TABLE XX.—Average monthly mean relative humidity of 124 stations in India, Ceylon, &amp;c.

| STATIONS.        | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Aden . . .       | 5—7    | 72       | 72        | 72     | 69     | 69   | 52    | 66    | 65      | 65         | 64       | 67        | 70        | 67    |
| Mauritius . . .  | 15—16  | 75       | 76        | 77     | 77     | 74   | 73    | 73    | 73      | 71         | 71       | 71        | 74        | 74    |
| Bushire . . .    | 8—10   | 74       | 71        | 68     | 64     | 60   | 63    | 64    | 66      | 65         | 63       | 66        | 70        | 66    |
| Amini Divi . . . | 3      | ?        | ?         | ?      | ?      | ?    | 87    | 88    | 87      | 86         | 85       | 82        | ?         | ?     |
| Quetta . . .     | 7—9    | 66       | 67        | 59     | 51     | 43   | 42    | 49    | 44      | 38         | 42       | 50        | 55        | 51    |
| Leh . . .        | 6      | 63       | 63        | 58     | 43     | 39   | 38    | 44    | 48      | 42         | 41       | 49        | 57        | 49    |
| Mooltan . . .    | 9—12   | 59       | 52        | 51     | 44     | 44   | 51    | 59    | 64      | 61         | 54       | 53        | 56        | 54    |
| Dera Ismail Khan | 10—11  | 55       | 49        | 49     | 44     | 38   | 43    | 59    | 62      | 55         | 45       | 47        | 52        | 50    |
| Peshawar . . .   | 10—11  | 63       | 58        | 58     | 55     | 43   | 39    | 52    | 60      | 56         | 48       | 55        | 62        | 54    |

TABLE XX.—Average monthly mean relative humidity of 124 stations in India, Ceylon, &c.  
—continued.

| STATIONS.        | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Murree . . .     | 9—10   | 57       | 62        | 54     | 51     | 47   | 47    | 74    | 81      | 68         | 46       | 44        | 49        | 57    |
| Rawalpindi . .   | 11—12  | 72       | 70        | 64     | 57     | 50   | 49    | 59    | 72      | 65         | 55       | 60        | 67        | 62    |
| Sialkot . . .    | 9—12   | 71       | 68        | 59     | 43     | 39   | 45    | 67    | 72      | 65         | 54       | 48        | 69        | 58    |
| Lahore . . .     | 18—21  | 61       | 57        | 49     | 37     | 33   | 37    | 59    | 62      | 55         | 47       | 48        | 56        | 50    |
| Ludhiana . . .   | 8—12   | 67       | 63        | 56     | 48     | 46   | 48    | 69    | 70      | 66         | 54       | 52        | 61        | 58    |
| Chamba . . .     | 3      | P        | P         | P      | P      | P    | P     | P     | P       | P          | 56       | 53        | 56        | P     |
| Simla . . .      | 6—9    | 59       | 57        | 54     | 49     | 50   | 64    | 88    | 91      | 80         | 53       | 49        | 48        | 62    |
| Delhi . . .      | 9—12   | 58       | 50        | 44     | 32     | 39   | 48    | 69    | 69      | 64         | 50       | 45        | 52        | 52    |
| Sirsa . . .      | 9—11   | 56       | 49        | 45     | 36     | 37   | 43    | 61    | 60      | 56         | 40       | 40        | 50        | 48    |
| Chakrata . . .   | 10—12  | 63       | 63        | 53     | 45     | 52   | 66    | 91    | 91      | 83         | 59       | 56        | 52        | 65    |
| Roorkee . . .    | 17—19  | 65       | 60        | 50     | 34     | 36   | 51    | 76    | 76      | 72         | 59       | 56        | 62        | 58    |
| Ranikhet . . .   | 12     | 62       | 59        | 53     | 44     | 53   | 64    | 86    | 86      | 80         | 61       | 58        | 56        | 64    |
| Pithoragarh . .  | 5—6    | 65       | 58        | 53     | 42     | 55   | 66    | 85    | 85      | 79         | 62       | 58        | 57        | 64    |
| Meerut . . .     | 11—12  | 64       | 56        | 51     | 39     | 42   | 49    | 72    | 74      | 68         | 56       | 55        | 62        | 57    |
| Bareilly . . .   | 11—12  | 66       | 60        | 53     | 39     | 45   | 57    | 78    | 79      | 74         | 62       | 59        | 64        | 61    |
| Agra . . .       | 11—12  | 57       | 47        | 39     | 29     | 32   | 45    | 73    | 74      | 67         | 48       | 44        | 52        | 51    |
| Lucknow . . .    | 11—12  | 59       | 51        | 43     | 34     | 43   | 55    | 75    | 77      | 73         | 61       | 54        | 59        | 57    |
| Gorakhpur . . .  | 10—12  | 66       | 59        | 51     | 40     | 55   | 68    | 80    | 82      | 79         | 70       | 61        | 66        | 65    |
| Jhansi . . .     | 11—12  | 50       | 41        | 35     | 28     | 31   | 47    | 75    | 77      | 70         | 50       | 40        | 45        | 49    |
| Allahabad . . .  | 11—12  | 69       | 57        | 44     | 33     | 40   | 55    | 81    | 82      | 81         | 69       | 64        | 69        | 62    |
| Benares . . .    | 16—18  | 63       | 53        | 42     | 34     | 40   | 57    | 80    | 82      | 79         | 66       | 60        | 63        | 60    |
| Katmandu . . .   | 6—7    | 73       | 65        | 62     | 58     | 69   | 75    | 79    | 81      | 79         | 74       | 72        | 74        | 72    |
| Sibsagar . . .   | 12     | 86       | 81        | 78     | 81     | 82   | 83    | 83    | 84      | 85         | 85       | 84        | 85        | 83    |
| Dhubri . . .     | 5—6    | 76       | 64        | 60     | 67     | 80   | 86    | 85    | 86      | 87         | 81       | 76        | 78        | 77    |
| Silchar . . .    | 15—17  | 75       | 70        | 72     | 76     | 80   | 85    | 85    | 86      | 91         | 81       | 77        | 76        | 80    |
| Darjeeling . . . | 17—19  | 79       | 78        | 73     | 74     | 87   | 95    | 95    | 94      | 95         | 81       | 81        | 76        | 84    |
| Purneah . . .    | 7—10   | 67       | 61        | 55     | 55     | 69   | 79    | 85    | 85      | 84         | 77       | 69        | 71        | 71    |
| Durbhunga . . .  | 9—11   | 71       | 63        | 54     | 50     | 66   | 77    | 83    | 84      | 83         | 77       | 69        | 75        | 71    |
| Patna . . .      | 15—17  | 67       | 57        | 46     | 41     | 55   | 68    | 81    | 82      | 80         | 71       | 62        | 65        | 65    |
| Gya . . .        | 14—15  | 54       | 45        | 38     | 38     | 49   | 63    | 79    | 81      | 78         | 65       | 55        | 57        | 59    |
| Hazaribagh . . . | 16—19  | 50       | 43        | 36     | 30     | 42   | 65    | 85    | 85      | 82         | 66       | 53        | 53        | 58    |
| Berhampore . . . | 17—19  | 69       | 64        | 57     | 59     | 72   | 83    | 87    | 87      | 86         | 79       | 77        | 76        | 75    |
| Burdwan . . .    | 11—12  | 64       | 57        | 55     | 55     | 67   | 77    | 83    | 84      | 83         | 76       | 67        | 64        | 69    |
| Jessore . . .    | 16—17  | 68       | 62        | 63     | 67     | 76   | 84    | 87    | 87      | 86         | 81       | 72        | 70        | 75    |

TABLE XX.—Average monthly mean relative humidity of 124 stations in India, Ceylon, &c.  
—continued.

| STATIONS.                     | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|-------------------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Dacca . . .                   | 18—19  | 69       | 65        | 67     | 73     | 80   | 87    | 87    | 87      | 86         | 81       | 72        | 71        | 77    |
| Chittagong . .                | 18—19  | 73       | 70        | 74     | 78     | 80   | 86    | 87    | 88      | 86         | 83       | 79        | 76        | 80    |
| Calcutta ( <i>Alipore</i> ) . | 9—10   | 71       | 69        | 69     | 71     | 76   | 84    | 87    | 89      | 88         | 84       | 74        | 72        | 78    |
| Do. ( <i>Chowringhee</i> )    | 5—7    | 69       | 65        | 67     | 67     | 76   | 86    | 89    | 90      | 88         | 82       | 70        | 71        | 77    |
| Saugor Island . .             | 17—19  | 76       | 76        | 78     | 80     | 80   | 83    | 86    | 87      | 86         | 82       | 74        | 74        | 80    |
| Cuttack . . .                 | 18—19  | 65       | 63        | 62     | 62     | 65   | 74    | 81    | 81      | 82         | 76       | 68        | 66        | 70    |
| False Point . .               | 12—14  | 79       | 79        | 82     | 84     | 83   | 83    | 86    | 85      | 84         | 80       | 73        | 74        | 81    |
| Sambalpur . . .               | 9—11   | 66       | 59        | 52     | 43     | 49   | 67    | 84    | 84      | 82         | 75       | 68        | 66        | 66    |
| Raipur . . .                  | 11—12  | 55       | 48        | 40     | 34     | 37   | 63    | 82    | 82      | 79         | 68       | 59        | 56        | 59    |
| Nagpur . . .                  | 11—12  | 52       | 41        | 32     | 27     | 30   | 60    | 80    | 78      | 75         | 61       | 53        | 53        | 54    |
| Seoni . . .                   | 10     | 52       | 44        | 35     | 30     | 35   | 63    | 81    | 80      | 75         | 61       | 51        | 52        | 55    |
| Jubbulpore . .                | 10—12  | 59       | 50        | 38     | 29     | 30   | 59    | 82    | 82      | 78         | 66       | 57        | 58        | 57    |
| Saugor . . .                  | 8—10   | 47       | 39        | 32     | 27     | 28   | 51    | 78    | 83      | 76         | 57       | 42        | 46        | 51    |
| Pachmarhi . .                 | 11—12  | 53       | 42        | 33     | 26     | 32   | 65    | 90    | 90      | 82         | 63       | 53        | 54        | 57    |
| Hoshangabad . .               | 11     | 53       | 43        | 33     | 26     | 30   | 59    | 82    | 83      | 78         | 64       | 53        | 56        | 55    |
| Khandwa . . .                 | 10—12  | 51       | 43        | 32     | 28     | 35   | 59    | 77    | 77      | 75         | 59       | 48        | 52        | 53    |
| Chanda . . .                  | 9—11   | 60       | 51        | 41     | 33     | 34   | 60    | 77    | 78      | 78         | 72       | 66        | 62        | 59    |
| Sironcha . . .                | 10—11  | 62       | 54        | 45     | 40     | 42   | 65    | 79    | 81      | 81         | 73       | 67        | 65        | 63    |
| Chikalda . . .                | 10—11  | 53       | 44        | 35     | 27     | 35   | 70    | 92    | 92      | 88         | 65       | 56        | 54        | 59    |
| Buldana . . .                 | 8—11   | 47       | 38        | 31     | 28     | 38   | 66    | 80    | 81      | 80         | 64       | 53        | 51        | 55    |
| Akola . . .                   | 10—11  | 48       | 36        | 28     | 22     | 27   | 57    | 74    | 74      | 74         | 62       | 51        | 51        | 50    |
| Amraoti . . .                 | 10—11  | 46       | 38        | 31     | 27     | 31   | 62    | 79    | 77      | 66         | 58       | 48        | 48        | 51    |
| Neemuch . . .                 | 9—10   | 41       | 35        | 30     | 25     | 30   | 50    | 74    | 77      | 72         | 49       | 36        | 41        | 47    |
| Nowgong . . .                 | 7—10   | 56       | 46        | 37     | 30     | 33   | 52    | 77    | 77      | 73         | 58       | 51        | 58        | 54    |
| Sutna . . .                   | 10—11  | 50       | 39        | 30     | 23     | 28   | 49    | 77    | 78      | 72         | 57       | 45        | 48        | 50    |
| Indore . . .                  | 8—9    | 44       | 36        | 29     | 23     | 32   | 61    | 81    | 81      | 78         | 57       | 44        | 46        | 51    |
| Bickaneer . . .               | 6—10   | 38       | 40        | 37     | 32     | 34   | 41    | 53    | 59      | 56         | 41       | 33        | 34        | 42    |
| Jeypore . . .                 | 6      | 54       | 44        | 40     | 28     | 35   | 52    | 77    | 74      | 66         | 46       | 42        | 50        | 51    |
| Sambhar . . .                 | 4—7    | 50       | 35        | 36     | 29     | 34   | 47    | 72    | 71      | 62         | 43       | 37        | 46        | 47    |
| Ajmere . . .                  | 12     | 51       | 45        | 40     | 34     | 39   | 50    | 70    | 74      | 68         | 51       | 45        | 50        | 51    |
| Mount Abu . .                 | 7—11   | 39       | 33        | 30     | 28     | 36   | 65    | 86    | 88      | 76         | 45       | 37        | 41        | 50    |
| Pachpadra . .                 | 5—8    | 44       | 32        | 34     | 35     | 42   | 52    | 66    | 68      | 62         | 43       | 35        | 40        | 46    |
| Jacobabad . .                 | 8—10   | 46       | 38        | 41     | 37     | 35   | 42    | 53    | 58      | 55         | 46       | 46        | 48        | 45    |
| Hyderabad . .                 | 7—10   | 50       | 43        | 43     | 43     | 45   | 53    | 61    | 65      | 63         | 44       | 48        | 47        | 50    |

TABLE XX.—Average monthly mean relative humidity of 124 stations in India, Ceylon, &c.  
—continued.

| STATIONS.          | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Kurrachee . . .    | 11—12  | 56       | 57        | 66     | 68     | 74   | 74    | 78    | 78      | 76         | 64       | 56        | 56        | 67    |
| Bhuj . . .         | 8—11   | 44       | 40        | 42     | 44     | 51   | 61    | 72    | 71      | 67         | 50       | 37        | 40        | 52    |
| Rajkot . . .       | 7—10   | 34       | 33        | 34     | 35     | 46   | 58    | 71    | 72      | 73         | 49       | 33        | 33        | 48    |
| Deesa . . .        | 11—12  | 38       | 30        | 31     | 28     | 40   | 53    | 74    | 74      | 69         | 44       | 39        | 38        | 47    |
| Surat . . .        | 9—10   | 53       | 49        | 51     | 50     | 59   | 68    | 80    | 79      | 79         | 68       | 56        | 56        | 62    |
| Malegaon . . .     | 8—10   | 42       | 39        | 36     | 31     | 44   | 62    | 73    | 72      | 72         | 58       | 48        | 47        | 52    |
| Bombay . . .       | 31     | 69       | 69        | 73     | 75     | 75   | 82    | 87    | 87      | 86         | 81       | 71        | 70        | 77    |
| Poona . . .        | 11—12  | 41       | 32        | 29     | 30     | 43   | 69    | 79    | 78      | 77         | 59       | 46        | 42        | 52    |
| Sholapur . . .     | 9—10   | 43       | 34        | 29     | 28     | 35   | 57    | 66    | 67      | 69         | 61       | 53        | 49        | 49    |
| Ratnagiri . . .    | 10     | 60       | 63        | 69     | 69     | 69   | 79    | 85    | 85      | 84         | 76       | 65        | 59        | 72    |
| Belgaum . . .      | 11—12  | 47       | 39        | 41     | 50     | 59   | 80    | 89    | 88      | 85         | 71       | 58        | 50        | 63    |
| Karwar . . .       | 7—9    | 69       | 73        | 74     | 73     | 74   | 84    | 87    | 88      | 87         | 85       | 76        | 68        | 78    |
| Vizagapatam . . .  | 17     | 65       | 65        | 66     | 67     | 69   | 68    | 71    | 72      | 74         | 72       | 65        | 63        | 68    |
| Rajahmundry . . .  | 3      | P        | P         | P      | P      | P    | 66    | 77    | 74      | 73         | 75       | 64        | 65        | P     |
| Masulipatam . . .  | 11—12  | 73       | 72        | 73     | 75     | 72   | 68    | 73    | 75      | 76         | 79       | 77        | 75        | 74    |
| Secunderabad . . . | 12     | 55       | 45        | 40     | 36     | 38   | 59    | 72    | 73      | 75         | 67       | 61        | 58        | 57    |
| Kurnool . . .      | 3—4    | P        | 48        | P      | P      | 50   | 67    | 75    | 74      | 73         | 78       | 74        | 73        | P     |
| Bellary . . .      | 11—12  | 50       | 37        | 33     | 34     | 42   | 58    | 63    | 63      | 64         | 64       | 61        | 57        | 52    |
| Mangalore . . .    | 6—7    | 64       | 69        | 73     | 73     | 75   | 86    | 90    | 89      | 87         | 84       | 75        | 66        | 78    |
| Mercara . . .      | 6—7    | 70       | 59        | 63     | 72     | 80   | 93    | 96    | 95      | 93         | 88       | 83        | 76        | 81    |
| Bangalore . . .    | 11—12  | 61       | 52        | 50     | 53     | 61   | 73    | 77    | 77      | 76         | 76       | 73        | 68        | 66    |
| Cuddapah . . .     | 3      | P        | P         | P      | 39     | 46   | 55    | 61    | 63      | 63         | 72       | 71        | 71        | P     |
| Madras . . .       | 12     | 72       | 71        | 73     | 72     | 67   | 63    | 65    | 70      | 70         | 78       | 79        | 77        | 71    |
| Salem . . .        | 12     | 64       | 56        | 52     | 57     | 65   | 69    | 70    | 73      | 72         | 76       | 76        | 72        | 67    |
| Wellington . . .   | 9—10   | 71       | 58        | 60     | 63     | 70   | 75    | 73    | 77      | 76         | 83       | 84        | 77        | 72    |
| Coimbatore . . .   | 11—12  | 60       | 54        | 55     | 58     | 65   | 71    | 72    | 73      | 71         | 74       | 73        | 68        | 66    |
| Trichinopoly . . . | 12     | 68       | 62        | 59     | 55     | 57   | 57    | 58    | 62      | 64         | 73       | 76        | 74        | 64    |
| Negapatam . . .    | 11—12  | 75       | 71        | 72     | 73     | 70   | 64    | 65    | 70      | 72         | 78       | 81        | 80        | 73    |
| Madura . . .       | 8—11   | 67       | 62        | 60     | 59     | 61   | 59    | 59    | 62      | 63         | 72       | 74        | 73        | 64    |
| Cochin . . .       | 12     | 70       | 72        | 75     | 76     | 81   | 88    | 88    | 87      | 86         | 84       | 81        | 75        | 80    |
| Colombo . . .      | 16—17  | 74       | 73        | 76     | 77     | 79   | 81    | 80    | 80      | 80         | 79       | 79        | 76        | 78    |
| Jaffna . . .       | 16     | 77       | 73        | 73     | 75     | 82   | 82    | 81    | 82      | 83         | 83       | 84        | 83        | 80    |
| Trincomalee . . .  | 14—16  | 77       | 74        | 75     | 70     | 67   | 67    | 65    | 68      | 69         | 73       | 81        | 81        | 72    |
| Batticaloa . . .   | 16—17  | 82       | 80        | 80     | 78     | 76   | 71    | 71    | 74      | 75         | 80       | 83        | 84        | 78    |

TABLE XX.—Average monthly mean relative humidity of 124 stations in India, Ceylon, &c.  
—concluded.

| STATIONS.        | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Hambantota .     | 14—17  | 84       | 82        | 83     | 82     | 86   | 84    | 83    | 84      | 84         | 84       | 85        | 90        | 84    |
| Galle .          | 16—17  | 87       | 83        | 83     | 84     | 87   | 89    | 90    | 89      | 90         | 89       | 89        | 88        | 87    |
| Kandy .          | 16—17  | 76       | 71        | 69     | 73     | 76   | 80    | 76    | 80      | 79         | 80       | 80        | 78        | 77    |
| Newera Eliya .   | 14—16  | 81       | 73        | 73     | 78     | 83   | 89    | 88    | 86      | 86         | 87       | 84        | 83        | 83    |
| Akyab .          | 16—18  | 72       | 70        | 73     | 74     | 78   | 87    | 89    | 88      | 86         | 83       | 80        | 76        | 80    |
| Thayetmyo .      | 8—10   | 68       | 58        | 55     | 56     | 67   | 82    | 84    | 84      | 82         | 80       | 78        | 72        | 72    |
| Toungoo .        | 7—9    | 70       | 64        | 60     | 61     | 70   | 85    | 87    | 88      | 84         | 82       | 80        | 77        | 76    |
| Bassein .        | 9—10   | 71       | 67        | 67     | 68     | 75   | 88    | 89    | 90      | 88         | 86       | 82        | 77        | 79    |
| Diamond Island . | 7—9    | 71       | 72        | 76     | 77     | 70   | 86    | 87    | 88      | 87         | 84       | 81        | 76        | 80    |
| Rangoon .        | 10—11  | 66       | 63        | 64     | 67     | 76   | 88    | 90    | 91      | 89         | 85       | 80        | 73        | 78    |
| Moulmein .       | 8—10   | 64       | 63        | 66     | 69     | 77   | 89    | 90    | 90      | 87         | 81       | 74        | 69        | 77    |
| Mergui .         | 9—10   | 73       | 76        | 77     | 79     | 83   | 89    | 89    | 90      | 90         | 86       | 80        | 74        | 82    |
| Port Blair .     | 9—11   | 77       | 78        | 78     | 78     | 84   | 87    | 86    | 87      | 88         | 87*      | 84        | 81        | 83    |
| Nancowry .       | 11—12  | 75       | 74        | 74     | 76     | 80   | 82    | 82    | 82      | 81         | 83       | 82        | 79        | 79    |

TABLE XXI.—Comparison of monthly mean vapour tension in 1886, with the averages of  
Table XIX.

| STATIONS.                  | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|----------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Aden . . . . .             | +042     | +021      | +023   | +015   | +016 | p     | +041  | —034    | +006       | +080     | +027      | —015      | p     |
| Mauritius . . . . .        | —022     | —004      | +002   | 0      | —056 | —031  | —007  | —056    | —034       | —026     | —048      | —055      | —028  |
| Bushire . . . . .          | +010     | +050      | +006   | +026   | +129 | +183  | p     | +095    | +104       | +012     | —018      | —032      | p     |
| Amini Divi . . . . .       | p        | p         | p      | p      | p    | +102  | —008  | —022    | +011       | p        | p         | p         | p     |
| Quetta . . . . .           | +007     | +007      | —006   | —009   | +053 | +087  | +120  | +082    | +061       | +020     | +017      | +019      | +038  |
| Leh . . . . .              | +013     | +017      | +015   | +002   | —013 | —011  | —019  | —019    | —048       | —006     | —009      | —001      | —007  |
| Mooltan . . . . .          | +020     | —005      | +043   | —006   | —010 | —010  | +012  | —039    | —064       | —105     | +011      | p         | p     |
| Dera Ismail Khan . . . . . | +010     | —036      | +022   | —039   | —011 | —055  | +020  | —028    | —068       | —045     | +005      | —013      | —020  |
| Peshawar . . . . .         | +024     | —002      | +027   | +018   | —033 | +017  | +140  | +030    | —021       | +037     | +036      | +014      | +024  |
| Murree . . . . .           | +012     | +003      | +013   | —022   | —008 | —033  | +066  | +023    | —026       | +013     | —002      | 0         | +003  |
| Rawalpindi . . . . .       | +027     | —011      | —002   | —049   | —095 | —059  | p     | +018    | —094       | —041     | —050      | —004      | p     |
| Sialkot . . . . .          | +037     | —006      | +056   | +007   | +061 | +034  | +082  | +040    | —015       | +054     | +032      | +013      | +033  |
| Lahore . . . . .           | +045     | —032      | +018   | —006   | +052 | +085  | +090  | +047    | —007       | +050     | +073      | +011      | +036  |

TABLE XXI.—Comparison of monthly mean vapour tension in 1886 with the averages of Table XIX—continued.

| STATIONS.                | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Ludhiana . . .           | +065     | -027      | +051   | -080   | -012 | -053  | +035  | +027    | -056       | +051     | +039      | -001      | +003  |
| Chamba . . .             | P        | P         | P      | P      | P    | P     | P     | P       | P          | +016     | +006      | -008      | P     |
| Simla . . .              | +001     | -003      | -002   | -065   | +008 | -024  | +020  | +004    | -052       | +009     | -014      | +002      | -010  |
| Delhi . . .              | +042     | -019      | +051   | -003   | -003 | -009  | +063  | +040    | -048       | +071     | +012      | +014      | +018  |
| Sirsa . . .              | +049     | -012      | +029   | -018   | +001 | +015  | +064  | +015    | -020       | +041     | +024      | -024      | +014  |
| Chakrata . . .           | +007     | +005      | +020   | -045   | +041 | +003  | +021  | +006    | -016       | +034     | +020      | -002      | +008  |
| Roorkee . . .            | +050     | -014      | +030   | -055   | +062 | +001  | +052  | +044    | +031       | +023     | +023      | +006      | +021  |
| Ranikhet . . .           | +010     | +006      | +035   | -017   | +055 | +002  | +025  | 0       | -003       | +017     | +023      | +020      | +014  |
| Pithoragarh . . .        | +013     | +006      | +027   | +007   | +052 | +002  | +024  | +011    | 0          | +032     | +038      | +017      | +019  |
| Meerut . . .             | +039     | -051      | -003   | -110   | +030 | +046  | +079  | +043    | -007       | +056     | +026      | +012      | +013  |
| Bareilly . . .           | +047     | -008      | +090   | -013   | +039 | +018  | +064  | +024    | +026       | +068     | +072      | +045      | +039  |
| Agra . . .               | +044     | -039      | +058   | -014   | +050 | +059  | +053  | +057    | +001       | +122     | +060      | +032      | +040  |
| Lucknow . . .            | +041     | -053      | +010   | -096   | +033 | +062  | +045  | +032    | +031       | +123     | +069      | +049      | +029  |
| Gorakhpur . . .          | +034     | -014      | +033   | -026   | +016 | -006  | +035  | +024    | +025       | +051     | +064      | +065      | +025  |
| Jhansi . . .             | +037     | -032      | +052   | -083   | +008 | +031  | +063  | +053    | -037       | +182     | +064      | +025      | +030  |
| Allahabad . . .          | +016     | -066      | +059   | -027   | +041 | -041  | +007  | -011    | +004       | +121     | +037      | +036      | +015  |
| Benares . . .            | +020     | -054      | +042   | -081   | +018 | -039  | +018  | -005    | +016       | +087     | +064      | +052      | +012  |
| Katmandu . . .           | +011     | +013      | +003   | -010   | -008 | -013  | -001  | -013    | +008       | +003     | +026      | +003      | +002  |
| Sibsagar . . .           | +027     | -008      | 0      | -029   | -002 | +021  | +013  | +032    | +024       | +054     | -017      | +023      | +012  |
| Dhubri . . .             | -019     | -009      | -020   | -024   | +012 | +023  | -001  | -003    | -001       | +050     | +027      | +016      | +004  |
| Silchar . . .            | +008     | -038      | -004   | -014   | +003 | +001  | -010  | -001    | +002       | +044     | -037      | -003      | -004  |
| Darjeeling . . .         | +004     | +002      | -001   | -029   | +001 | +003  | +002  | -003    | -011       | +023     | -012      | +011      | -001  |
| Purneah . . .            | P        | P         | P      | P      | P    | P     | -014  | +007    | -001       | +071     | +038      | +045      | P     |
| Durbhunga . . .          | +021     | -009      | +032   | -002   | +055 | +016  | +024  | +019    | +001       | +053     | +034      | +040      | +024  |
| Patna . . .              | +039     | -035      | +030   | -020   | +032 | -012  | +011  | +025    | +012       | +088     | +066      | +054      | +024  |
| Gya . . .                | +026     | -019      | +080   | -072   | -016 | -047  | -056  | P       | P          | P        | P         | P         | P     |
| Hazaribagh . . .         | +012     | -060      | +029   | -066   | +037 | P     | +013  | +006    | +012       | +133     | +064      | +031      | P     |
| Berhampore . . .         | +038     | -059      | +015   | -046   | +005 | +014  | +027  | +027    | +012       | +088     | +060      | +049      | +019  |
| Burdwan . . .            | -016     | -111      | -018   | -105   | -033 | -042  | -033  | -038    | -035       | +046     | +029      | +001      | -030  |
| Jessore . . .            | +006     | -078      | +008   | +006   | -001 | +019  | +021  | +025    | +022       | +064     | +052      | +045      | +016  |
| Dacca . . .              | -005     | -042      | -020   | +029   | +004 | +016  | +004  | +010    | +010       | +051     | +016      | +023      | +008  |
| Chittagong . . .         | +025     | -051      | -029   | +014   | +007 | +093  | +005  | +001    | -002       | +038     | +014      | +001      | +010  |
| Calcutta (Alipore) . . . | +014     | -070      | +001   | -009   | +018 | +008  | +003  | +003    | +010       | +066     | +052      | +033      | +011  |
| Do. (Chowringhee) . . .  | +015     | -043      | +023   | +002   | +006 | +016  | +016  | +016    | +020       | +092     | +064      | +032      | +022  |

TABLE XXI.—Comparison of monthly mean vapour tension in 1886 with the averages of Table XIX—continued.

| STATIONS.           | January. | February. | March. | April. | May.   | June.  | July.  | August. | September. | October. | November. | December. | Year.  |
|---------------------|----------|-----------|--------|--------|--------|--------|--------|---------|------------|----------|-----------|-----------|--------|
| Saugor Island . . . | —'016    | —'089     | —'046  | —'008  | —'035  | —'022  | —'019  | —'015   | —'010      | + '052   | + '041    | + '021    | —'012  |
| Cuttack . . . . .   | + '022   | —'025     | + '042 | + '034 | + '006 | —'001  | + '014 | + '011  | —'019      | + '073   | + '070    | + '070    | + '025 |
| False Point . . . . | ?        | —'020     | + '031 | + '080 | + '019 | + '015 | + '016 | + '021  | + '017     | + '072   | + '083    | + '057    | ?      |
| Sambalpur . . . . . | —'022    | —'108     | —'049  | —'178  | —'053  | + '029 | —'016  | —'022   | —'029      | + '052   | + '034    | + '003    | —'030  |
| Raipur . . . . .    | + '023   | —'059     | —'003  | —'105  | + '036 | + '006 | ?      | 0       | —'039      | + '112   | + '051    | + '013    | ?      |
| Nagpur . . . . .    | + '024   | —'026     | —'001  | —'093  | + '044 | + '043 | + '030 | + '009  | —'087      | + '164   | + '066    | + '039    | + '018 |
| Seoni . . . . .     | —'008    | —'052     | + '006 | —'105  | + '018 | + '006 | + '008 | + '002  | —'065      | + '136   | + '055    | + '005    | + '001 |
| Jubbulpore . . . .  | + '020   | —'051     | + '005 | —'095  | + '045 | + '002 | + '020 | —'001   | —'071      | + '134   | + '071    | + '033    | + '009 |
| Saugor . . . . .    | + '045   | —'033     | + '008 | —'096  | + '010 | + '046 | + '037 | + '002  | —'074      | + '164   | + '064    | + '036    | + '017 |
| Pachmarhi . . . . . | + '043   | —'014     | + '035 | —'030  | + '007 | + '010 | + '007 | —'001   | —'055      | + '137   | + '052    | + '027    | + '018 |
| Hoshangabad . . . . | + '030   | —'034     | + '020 | —'062  | —'004  | + '014 | + '026 | + '004  | —'084      | + '144   | + '067    | + '042    | + '014 |
| Khandwa . . . . .   | + '003   | —'059     | —'014  | —'078  | + '010 | + '053 | + '014 | —'004   | —'064      | + '158   | + '063    | + '031    | + '009 |
| Chanda . . . . .    | —'008    | —'039     | —'050  | —'159  | + '018 | + '029 | —'005  | —'014   | —'065      | + '073   | + '014    | —'016     | —'019  |
| Sironcha . . . . .  | + '023   | —'029     | + '010 | —'055  | + '030 | + '060 | + '030 | + '029  | —'006      | + '116   | + '059    | ?         | ?      |
| Chikalda . . . . .  | + '027   | + '006    | —'010  | —'047  | + '058 | + '066 | + '022 | + '019  | —'020      | + '130   | + '061    | + '036    | + '029 |
| Buldana . . . . .   | —'005    | —'049     | —'044  | —'119  | —'024  | + '013 | + '005 | —'007   | —'076      | + '091   | —'013     | —'031     | —'022  |
| Akola . . . . .     | + '037   | + '005    | + '003 | —'039  | + '060 | + '066 | + '028 | + '013  | —'065      | + '158   | + '068    | + '042    | + '031 |
| Amraoti . . . . .   | + '054   | —'018     | + '034 | —'114  | + '022 | + '047 | + '038 | + '039  | —'045      | + '177   | + '078    | + '043    | + '030 |
| Neemuch . . . . .   | + '028   | —'027     | + '014 | —'044  | —'012  | —'021  | + '035 | + '036  | —'023      | + '121   | + '093    | + '025    | + '019 |
| Nowgong . . . . .   | + '037   | —'059     | + '021 | —'130  | + '053 | —'042  | + '036 | + '006  | —'064      | + '181   | + '073    | + '060    | + '014 |
| Sutna . . . . .     | + '046   | —'022     | + '075 | —'055  | + '045 | + '012 | + '035 | + '010  | —'030      | + '209   | + '104    | + '065    | + '041 |
| Indore . . . . .    | + '019   | —'036     | + '044 | —'060  | + '038 | + '061 | + '014 | + '013  | —'045      | + '116   | + '076    | + '071    | + '026 |
| Bickaneer . . . . . | + '050   | + '013    | + '045 | + '056 | —'004  | —'121  | —'181  | —'145   | —'148      | + '028   | + '008    | —'016     | —'035  |
| Jeypore . . . . .   | + '033   | —'042     | + '044 | —'005  | —'007  | —'025  | + '009 | + '022  | —'061      | + '100   | + '037    | —'035     | + '006 |
| Sambhar . . . . .   | + '025   | —'054     | —'027  | —'075  | —'039  | + '018 | + '026 | + '047  | —'019      | + '109   | + '044    | + '013    | + '006 |
| Ajmere . . . . .    | + '014   | —'053     | —'006  | —'078  | —'020  | + '019 | + '067 | + '007  | —'060      | + '104   | + '030    | —'021     | 0      |
| Mount Abu . . . . . | + '012   | —'030     | + '023 | —'018  | + '096 | + '040 | + '042 | + '026  | —'017      | + '061   | + '053    | + '005    | + '024 |
| Pachpadra . . . . . | —'031    | —'056     | —'031  | —'036  | —'076  | —'041  | + '043 | + '017  | —'025      | + '038   | + '026    | —'053     | —'019  |
| Jacobabad . . . . . | + '014   | —'051     | —'029  | —'077  | —'071  | + '036 | + '017 | —'043   | —'023      | —'052    | + '032    | —'019     | —'022  |
| Hyderabad . . . . . | —'020    | —'028     | —'003  | + '043 | + '083 | —'002  | + '016 | —'040   | —'045      | —'086    | —'019     | —'041     | —'012  |
| Kurrachee . . . . . | —'065    | —'147     | —'056  | —'009  | + '019 | + '005 | + '026 | —'025   | —'041      | —'103    | + '014    | —'043     | —'035  |
| Bhuj . . . . .      | + '039   | —'026     | + '028 | —'032  | + '032 | —'013  | + '025 | + '003  | —'020      | + '010   | + '113    | —'039     | + '010 |
| Rajkot . . . . .    | + '048   | ?         | ?      | ?      | + '176 | —'001  | —'027  | + '052  | —'015      | + '139   | + '186    | + '004    | ?      |
| Deesa . . . . .     | —'018    | —'072     | —'044  | —'016  | + '025 | + '034 | + '024 | + '020  | —'050      | + '088   | + '031    | —'025     | 0      |

TABLE XXI.—Comparison of monthly mean vapour tension in 1886, with the averages of Table XIX—continued.

| STATIONS.            | January. | February. | March. | April. | May.  | June. | July. | August. | September. | October. | November. | December. | Year. |
|----------------------|----------|-----------|--------|--------|-------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Surat . . . .        | +·020    | —·017     | +·048  | —·017  | +·040 | +·001 | +·023 | +·021   | +·009      | +·115    | +·129     | +·050     | +·035 |
| Malegaon . . . .     | +·056    | —·011     | +·036  | —·086  | —·056 | —·024 | —·005 | —·007   | —·080      | +·105    | +·027     | +·001     | —·004 |
| Bombay . . . .       | —·016    | —·054     | —·022  | —·041  | +·022 | —·010 | —·021 | —·026   | +·001      | +·030    | +·065     | +·008     | —·005 |
| Poona . . . .        | —·004    | —·030     | —·006  | —·074  | +·052 | +·033 | +·007 | —·005   | —·007      | +·133    | +·086     | +·061     | +·021 |
| Sholapur . . . .     | +·008    | —·018     | +·031  | +·007  | +·111 | +·094 | +·062 | +·049   | —·009      | +·115    | +·031     | +·032     | +·043 |
| Ratnagiri . . . .    | —·014    | —·019     | —·037  | —·056  | —·014 | —·029 | —·026 | —·026   | —·015      | +·013    | +·024     | +·010     | —·016 |
| Belgaum . . . .      | +·020    | —·021     | —·043  | —·032  | +·035 | +·031 | +·002 | —·002   | +·001      | +·065    | —·006     | —·002     | +·004 |
| Karwar . . . .       | +·009    | —·014     | —·031  | —·024  | —·025 | +·022 | —·001 | —·010   | +·022      | +·011    | —·010     | —·012     | —·005 |
| Vizagapatam . . . .  | —·022    | —·004     | +·005  | —·015  | —·002 | +·003 | +·022 | +·022   | +·014      | +·074    | +·048     | +·023     | +·014 |
| Rajahmundry . . . .  | P        | P         | P      | P      | P     | —·009 | —·012 | —·019   | —·039      | +·026    | +·033     | —·032     | P     |
| Masulipatam . . . .  | +·013    | —·037     | —·012  | +·098  | +·043 | +·069 | +·085 | +·070   | +·018      | +·044    | +·010     | —·011     | +·033 |
| Secunderabad . . . . | +·013    | —·027     | +·017  | +·024  | +·106 | +·081 | +·068 | +·049   | +·049      | +·129    | +·082     | +·053     | +·054 |
| Kurnool . . . .      | P        | —·062     | —·057  | —·070  | —·097 | —·054 | —·030 | —·019   | —·018      | +·017    | —·029     | —·061     | P     |
| Bellary . . . .      | +·004    | +·013     | +·026  | —·082  | +·029 | +·034 | +·054 | +·068   | +·036      | +·083    | +·026     | +·024     | +·026 |
| Mangalore . . . .    | +·074    | —·012     | +·047  | +·057  | +·040 | +·027 | —·008 | —·008   | —·003      | +·011    | —·021     | —·037     | +·014 |
| Mercara . . . .      | +·099    | —·021     | —·029  | +·007  | +·009 | +·016 | +·012 | —·003   | +·019      | —·006    | —·045     | —·021     | +·003 |
| Bangalore . . . .    | +·052    | +·019     | +·047  | +·015  | +·056 | +·030 | +·037 | +·027   | +·037      | +·026    | —·021     | +·013     | +·028 |
| Cuddapah . . . .     | P        | P         | P      | +·001  | +·006 | +·009 | +·008 | +·012   | +·022      | +·002    | +·003     | —·025     | P     |
| Madras . . . .       | +·019    | +·016     | +·033  | +·033  | +·047 | +·098 | +·085 | +·057   | +·022      | +·059    | +·016     | +·025     | +·043 |
| Salem . . . .        | +·111    | +·117     | +·128  | +·111  | +·081 | +·052 | +·047 | +·017   | +·038      | +·023    | +·024     | +·010     | +·063 |
| Wellington . . . .   | +·056    | —·004     | +·008  | —·019  | +·029 | +·012 | +·041 | +·014   | +·031      | —·007    | —·016     | —·011     | +·011 |
| Coimbatore . . . .   | +·134    | +·157     | +·128  | —·009  | —·012 | —·006 | —·001 | —·016   | +·024      | —·029    | —·035     | —·041     | +·025 |
| Trichinopoly . . . . | +·032    | +·030     | +·045  | +·037  | +·061 | +·042 | +·063 | +·090   | +·066      | +·002    | +·022     | —·005     | +·040 |
| Negapatam . . . .    | +·042    | +·030     | +·039  | +·043  | +·044 | +·081 | +·083 | +·061   | +·058      | +·033    | +·001     | —·011     | +·042 |
| Madura . . . .       | +·042    | +·057     | +·053  | +·057  | +·028 | +·018 | +·006 | —·018   | —·007      | —·048    | —·030     | —·071     | +·007 |
| Cochin . . . .       | +·035    | —·038     | —·009  | +·001  | +·002 | +·021 | —·007 | —·010   | —·005      | —·002    | —·012     | —·039     | —·005 |
| Colombo . . . .      | +·005    | —·041     | —·028  | —·024  | —·009 | —·037 | —·045 | —·065   | —·064      | —·034    | —·051     | —·063     | —·038 |
| Jaffna . . . .       | —·009    | —·026     | —·048  | —·048  | —·005 | +·065 | +·053 | —·056   | —·069      | —·031    | —·058     | —·066     | —·025 |
| Trincomalee . . . .  | +·051    | +·048     | +·044  | —·004  | +·012 | +·026 | +·017 | —·037   | —·003      | —·013    | —·054     | —·025     | +·005 |
| Batticaloa . . . .   | +·021    | —·021     | —·031  | —·056  | —·030 | —·008 | —·033 | —·067   | —·047      | —·076    | —·086     | —·092     | —·044 |
| Hambantota . . . .   | —·003    | —·053     | P      | —·022  | P     | P     | P     | P       | P          | P        | P         | —·063     | P     |
| Galle . . . .        | +·036    | —·013     | +·028  | +·048  | +·020 | +·038 | +·020 | —·013   | —·011      | +·001    | +·001     | —·028     | +·011 |
| Kandy . . . .        | +·019    | —·007     | —·053  | —·048  | —·031 | +·004 | P     | —·024   | —·009      | —·016    | —·048     | —·063     | P     |
| Newera Eliya . . . . | +·013    | —·002     | —·013  | —·017  | +·055 | +·009 | +·014 | —·002   | —·001      | +·003    | —·023     | —·030     | +·001 |



TABLE XXI.—Comparison of monthly mean vapour tension in 1886, with the averages of Table XIX—concluded.

| STATIONS.              | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Akyab . . . .          | +092     | -031      | -011   | -015   | +011 | +005  | -014  | -035    | -027       | -006     | -025      | -042      | -008  |
| Thayetmyo . . . .      | +014     | +009      | -050   | -027   | +015 | +024  | +007  | +017    | 0          | +062     | +008      | -011      | +006  |
| Toungoo . . . .        | -010     | -002      | +022   | -053   | +031 | +023  | +002  | +004    | +007       | -003     | -039      | -070      | -007  |
| Bassein . . . .        | -011     | -024      | -021   | -019   | +020 | +005  | +003  | -003    | +001       | -012     | -047      | -050      | -013  |
| Diamond Island . . . . | +021     | -002      | -027   | -018   | ?    | -026  | -016  | -008    | 0          | -003     | -019      | -043      | ?     |
| Rangoon . . . .        | -002     | +015      | +038   | -036   | +024 | +005  | +010  | +001    | +004       | -006     | -048      | -068      | -005  |
| Moulmein . . . .       | +008     | +028      | +017   | -011   | +034 | +008  | +010  | +010    | +010       | +015     | -056      | -121      | -004  |
| Mergui . . . .         | -038     | +045      | +065   | +022   | -025 | -014  | -005  | -017    | -023       | -015     | -017      | -074      | -008  |
| Port Blair . . . .     | -023     | +011      | +014   | +015   | +014 | +006  | +016  | +012    | +020       | -003     | -014      | -049      | +002  |
| Nancowry . . . .       | +015     | +027      | +005   | +015   | +043 | +028  | +040  | +018    | +010       | +001     | -011      | -052      | +012  |

TABLE XXII.—Comparison of monthly mean relative humidity in 1886, with the averages of Table XX.

| STATIONS.                | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Aden . . . .             | +4       | +4        | +2     | +1     | +2   | ?     | -2    | -4      | +2         | +5       | +1        | 0         | ?     |
| Mauritius . . . .        | -1       | -1        | -1     | -1     | -3   | -3    | +1    | -6      | -2         | 0        | -1        | -2        | -2    |
| Bushire . . . .          | 0        | +3        | +2     | 0      | +10  | +10   | ?     | +6      | +6         | +4       | -2        | -3        | ?     |
| Amini Divi . . . .       | ?        | ?         | ?      | ?      | ?    | -4    | 0     | 0       | +1         | -4       | -2        | ?         | ?     |
| Quetta* . . . .          | +10      | +4        | +3     | -3     | +7   | +7    | +8    | +7      | +5         | +4       | -2        | +8        | +5    |
| Leh . . . .              | +9       | +13       | +7     | +7     | -2   | +5    | -1    | -1      | -9         | -2       | -8        | -7        | +1    |
| Mooltan . . . .          | +4       | 0         | +8     | -2     | -1   | +1    | +1    | -5      | -5         | -10      | +5        | ?         | ?     |
| Dera Ismail Khan . . . . | +3       | -9        | +3     | -7     | -5   | -5    | -1    | -6      | -10        | -9       | -3        | -8        | -5    |
| Peshawar . . . .         | +7       | +3        | +8     | +3     | -3   | +2    | +6    | 0       | -5         | +2       | +1        | 0         | +2    |
| Murree . . . .           | +8       | +9        | +10    | -5     | -3   | -4    | +12   | +5      | -7         | 0        | -4        | +3        | +2    |
| Rawal Pindi . . . .      | +7       | +3        | +1     | -6     | -9   | -4    | ?     | -1      | -13        | -6       | -11       | -2        | ?     |
| Sialkot . . . .          | +11      | +2        | +12    | 0      | +7   | +5    | +10   | +5      | -4         | +5       | +13       | +3        | +6    |
| Lahore . . . .           | +15      | -2        | +14    | +2     | +7   | +13   | +17   | +8      | 0          | +10      | +13       | +6        | +9    |
| Ludhiana . . . .         | +14      | -1        | +8     | -10    | -3   | -7    | +3    | +1      | -8         | +7       | +4        | -2        | +1    |
| Chamba . . . .           | ?        | ?         | ?      | ?      | ?    | ?     | ?     | ?       | ?          | -1       | -1        | -4        | ?     |
| Simla . . . .            | +5       | +2        | +7     | -9     | +6   | -3    | +6    | +1      | -11        | +4       | -5        | +1        | 0     |
| Delhi . . . .            | +7       | -3        | +9     | -2     | 0    | +3    | +8    | +8      | -6         | +5       | +3        | 0         | +3    |

TABLE XXII.—Comparison of monthly mean relative humidity in 1886, with the averages of Table XX—continued.

| STATIONS.                  | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|----------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Sirsa . . . .              | +8       | -4        | +5     | -4     | -1   | +3    | +7    | +2      | -8         | +3       | +3        | -8        | +1    |
| Chakrata . . . .           | +2       | -2        | +10    | -12    | +10  | 0     | +3    | +2      | -5         | +4       | +1        | -3        | +1    |
| Roorkee . . . .            | +9       | -3        | +3     | -6     | +6   | -1    | +3    | +4      | 0          | +1       | +4        | 0         | +2    |
| Ranikhet . . . .           | +4       | -1        | +13    | -5     | +11  | +2    | +1    | +2      | -2         | 0        | +1        | 0         | +2    |
| Pithoragarh . . . .        | +4       | -2        | +11    | +1     | +11  | +3    | 0     | +1      | 0          | +3       | +3        | +2        | +3    |
| Meerut . . . .             | +9       | -6        | +2     | -8     | +4   | +10   | +8    | +5      | -2         | +5       | +2        | -2        | +2    |
| Bareilly . . . .           | +10      | 0         | +11    | +1     | +5   | +5    | +8    | +2      | +2         | +6       | +6        | +3        | +5    |
| Agra . . . .               | +6       | -8        | +7     | -2     | +4   | +7    | +6    | +7      | -1         | +9       | +4        | 0         | +3    |
| Lucknow . . . .            | +6       | -10       | +3     | -6     | +4   | +8    | +8    | +4      | +3         | +11      | +5        | +4        | +3    |
| Gorakhpur . . . .          | +7       | -2        | +4     | -2     | +2   | -2    | +5    | +3      | +3         | +6       | +7        | +9        | +3    |
| Jhansi . . . .             | +8       | -1        | +8     | -5     | +1   | +6    | +8    | +5      | -5         | +20      | +7        | +3        | +5    |
| Allahabad . . . .          | +1       | -11       | +7     | -1     | +3   | 0     | +4    | 0       | +1         | +9       | -1        | +1        | +1    |
| Benares . . . .            | 0        | -13       | +3     | -8     | +3   | -3    | +4    | -1      | +1         | +7       | +2        | +2        | 0     |
| Katmandu . . . .           | 0        | -1        | -1     | 0      | +1   | -3    | -1    | +1      | -1         | -2       | -1        | -5        | -1    |
| Sibsagar . . . .           | +2       | -4        | -3     | -4     | -3   | 0     | +2    | +3      | +4         | +1       | -1        | +1        | 0     |
| Dhubri . . . .             | -3       | -3        | -3     | -4     | -1   | -1    | +1    | 0       | +1         | +1       | +1        | +1        | -1    |
| Silchar . . . .            | -1       | -4        | 0      | -1     | -4   | -3    | 0     | 0       | -6         | -3       | -8        | -3        | -3    |
| Darjeeling . . . .         | +3       | +4        | -3     | -5     | +1   | -3    | +1    | 0       | -2         | +8       | -7        | +6        | 0     |
| Purneah . . . .            | ?        | ?         | ?      | ?      | ?    | ?     | -3    | +2      | +5         | +3       | +4        | +4        | ?     |
| Durbhunga . . . .          | +4       | -2        | +2     | -1     | +5   | -2    | +1    | +3      | +4         | +2       | +2        | 0         | +2    |
| Patna . . . .              | +5       | -4        | -3     | -4     | +4   | -3    | +3    | +5      | +5         | +5       | +3        | +5        | +2    |
| Gya . . . .                | +3       | -2        | +13    | +2     | +4   | -2    | -2    | ?       | ?          | ?        | ?         | ?         | ?     |
| Hazaribagh . . . .         | +2       | -11       | +5     | -12    | +3   | ?     | +2    | -1      | +3         | +14      | +6        | +2        | ?     |
| Berhampore . . . .         | +6       | -7        | +4     | -6     | +4   | +1    | +4    | +3      | +5         | +5       | +2        | 0         | +2    |
| Burdwan . . . .            | -1       | -11       | +2     | -7     | 0    | -2    | -1    | -3      | 0          | +1       | +2        | -1        | -2    |
| Jessore . . . .            | -1       | -9        | +2     | -2     | 0    | -1    | +1    | +3      | +4         | +1       | +1        | 0         | 0     |
| Dacca . . . .              | -5       | -9        | -2     | +1     | -1   | -1    | 0     | +2      | 0          | 0        | -1        | 0         | -1    |
| Chittagong . . . .         | +5       | -3        | 0      | +3     | +1   | +2    | +2    | +2      | +1         | +2       | +2        | +1        | +2    |
| Calcutta (Alipore) . . . . | +2       | -6        | +3     | -3     | +1   | -2    | 0     | -2      | 0          | +2       | +2        | +1        | 0     |
| Do. (Chowringhee) . . . .  | +3       | -6        | +4     | 0      | 0    | -1    | +2    | -1      | +2         | +4       | +3        | +1        | +1    |
| Saugor Island . . . .      | +1       | -4        | -1     | +1     | -2   | 0     | 0     | 0       | 0          | +3       | +3        | +1        | 0     |
| Cuttack . . . .            | +2       | -2        | +4     | +1     | 0    | +2    | 0     | +1      | -2         | +4       | +3        | +6        | +2    |
| False Point . . . .        | ?        | -5        | -3     | 0      | -3   | -1    | 0     | -1      | +1         | +1       | +2        | 0         | ?     |
| Sambalpur . . . .          | -1       | -10       | 0      | -13    | -3   | +6    | 0     | -2      | -1         | +2       | 0         | -1        | -2    |

TABLE XXII.—Comparison of monthly mean relative humidity in 1886, with the averages of Table XX—continued.

| STATIONS.           | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|---------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Raipur . . . .      | +6       | -9        | -1     | -11    | +1   | -2    | ?     | -3      | -5         | +9       | +4        | +1        | ?     |
| Nagpur . . . .      | +5       | -2        | +1     | -8     | +2   | +5    | +2    | -2      | -14        | +14      | +3        | +3        | +1    |
| Seoni . . . .       | 0        | -6        | +3     | -9     | +1   | +3    | +1    | 0       | -9         | +13      | +7        | +4        | +1    |
| Jubbulpore . . . .  | +5       | -5        | +4     | -6     | +5   | +3    | +2    | -1      | -9         | +11      | +6        | +4        | +2    |
| Saugor . . . .      | +6       | -3        | +2     | -8     | -2   | +6    | +6    | 0       | -9         | +18      | +6        | +5        | +2    |
| Pachmarhi . . . .   | +11      | -1        | +6     | -3     | 0    | +3    | 0     | 0       | -10        | +17      | +6        | +6        | +3    |
| Hoshangabad . . . . | +7       | -1        | +3     | -4     | -1   | +4    | +5    | 0       | -12        | +12      | +5        | +8        | +2    |
| Khandwa . . . .     | +3       | -6        | -1     | -6     | -1   | +8    | +3    | 0       | -8         | +14      | +6        | +6        | +2    |
| Chanda . . . .      | +1       | -4        | -3     | -11    | +3   | +7    | +2    | -2      | -10        | +3       | -4        | -3        | -2    |
| Sironcha . . . .    | 0        | -3        | +1     | -5     | +2   | +6    | +6    | +3      | -6         | +8       | +1        | ?         | ?     |
| Chikalda . . . .    | +8       | 0         | +1     | -6     | +5   | +9    | +4    | +1      | -7         | +19      | +7        | +7        | +4    |
| Buldana . . . .     | +3       | -6        | -4     | -10    | -4   | +5    | +1    | 0       | -14        | +11      | -5        | -4        | -2    |
| Akola . . . .       | +9       | +2        | +1     | -3     | +4   | +7    | +4    | +1      | -10        | +12      | +5        | +5        | +3    |
| Amraoti . . . .     | +9       | -3        | +1     | -10    | +1   | +6    | +4    | +3      | 0          | +16      | +6        | +3        | +3    |
| Neemuch . . . .     | +4       | -5        | +2     | -5     | -3   | -1    | +4    | +5      | -4         | +10      | +9        | +3        | +2    |
| Nowgong . . . .     | +5       | -7        | +5     | -9     | +1   | +2    | +7    | +2      | -5         | +18      | +8        | +8        | +3    |
| Sutna . . . .       | +9       | -1        | +11    | -4     | +3   | +1    | +5    | +1      | -1         | +19      | +11       | +9        | +5    |
| Indore . . . .      | +4       | -5        | +3     | -5     | +2   | +8    | +3    | +3      | -7         | +10      | +6        | +7        | +2    |
| Bickaneer . . . .   | +7       | +1        | +5     | +3     | -4   | -7    | -14   | -14     | -14        | 0        | -4        | -7        | -4    |
| Jeypore . . . .     | +6       | -6        | +5     | -2     | -3   | -1    | +1    | +2      | -6         | +6       | +1        | -8        | 0     |
| Sambhar . . . .     | +5       | -5        | -2     | -6     | -4   | +3    | +3    | +5      | -3         | +10      | +5        | +3        | +1    |
| Ajmere . . . .      | +5       | -10       | +1     | -9     | -5   | +4    | +5    | +1      | -9         | +5       | +1        | -6        | -1    |
| Mount Abu . . . .   | +4       | -6        | +5     | -5     | +6   | +4    | +7    | +8      | 0          | +5       | +5        | -1        | +3    |
| Pachpadra . . . .   | -6       | -11       | -4     | -9     | -11  | -2    | +3    | +1      | -2         | -4       | -2        | -11       | -5    |
| Jacobabad . . . .   | +5       | -6        | 0      | -11    | -8   | 0     | +1    | -5      | 0          | -3       | +7        | -2        | -2    |
| Hyderabad . . . .   | -2       | -4        | +2     | -1     | +2   | -1    | +1    | -2      | -2         | -9       | -2        | -8        | -2    |
| Kurrachee . . . .   | -9       | -21       | -3     | -1     | -3   | -2    | +2    | -1      | 0          | -13      | -1        | -6        | -5    |
| Bhuj . . . .        | +7       | -5        | +3     | -5     | 0    | -1    | +6    | +2      | -1         | -4       | +7        | -6        | 0     |
| Rajkot . . . .      | +8       | ?         | ?      | ?      | +10  | -1    | -3    | -1      | -7         | +7       | +13       | +4        | ?     |
| Deesa . . . .       | -1       | -10       | -3     | -3     | -2   | +1    | +4    | +4      | -5         | +4       | -5        | -3        | -2    |
| Surat . . . .       | +3       | -3        | +5     | 0      | +2   | +1    | +3    | +2      | -3         | +8       | +10       | +5        | +3    |
| Malegaon . . . .    | +10      | +1        | +3     | -10    | -9   | 0     | +1    | +2      | -8         | +13      | +3        | +5        | +1    |
| Bombay . . . .      | -1       | -4        | -3     | -3     | 0    | -1    | -2    | -4      | -2         | +3       | +5        | +1        | -1    |
| Poona . . . .       | +1       | -5        | 0      | -6     | +4   | +3    | +1    | -2      | -4         | +14      | +9        | +9        | +2    |

TABLE XXII.—Comparison of monthly mean relative humidity in 1886, with the averages of Table XX—continued.

| STATIONS.          | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Sholapur . . .     | +2       | -4        | 0      | -3     | +8   | +9    | +7    | +8      | -4         | +12      | +2        | +5        | +4    |
| Ratnagiri . . .    | +2       | -3        | -4     | -4     | -3   | -2    | -1    | -1      | -3         | +3       | +2        | +1        | -1    |
| Belgaum . . .      | +3       | -4        | -4     | -5     | +6   | +4    | 0     | 0       | -3         | +11      | -1        | +1        | +1    |
| Karwar . . .       | +2       | -3        | -2     | -1     | -2   | 0     | +3    | +1      | 0          | +2       | +1        | 0         | 0     |
| Vizagapatam . . .  | +1       | +1        | 0      | 0      | +2   | +2    | +2    | +4      | -2         | +8       | +4        | +3        | +2    |
| Rajahmundry . . .  | P        | P         | P      | P      | P    | +2    | -1    | -1      | -8         | +4       | +1        | -2        | P     |
| Masulipatam . . .  | +2       | -15       | -13    | -4     | +2   | +8    | +8    | +9      | -1         | +5       | -2        | -3        | 0     |
| Secunderabad . . . | +2       | -4        | +1     | 0      | +11  | +10   | +9    | +5      | -1         | +12      | +7        | +8        | +5    |
| Kurnool . . .      | P        | -1        | P      | P      | -6   | -5    | -5    | -1      | -7         | -1       | -8        | -9        | P     |
| Bellary . . .      | +1       | +2        | 0      | -7     | +3   | +5    | +5    | +9      | +1         | +9       | 0         | +4        | +3    |
| Mangalore . . .    | +6       | -3        | +2     | +3     | +4   | -1    | +1    | +1      | 0          | +1       | -1        | -3        | +1    |
| Mercara . . .      | +12      | -5        | -6     | -2     | +3   | +1    | 0     | +1      | -1         | +2       | -6        | -3        | 0     |
| Bangalore . . .    | +5       | +1        | +4     | 0      | +9   | +5    | +5    | +4      | +3         | +2       | -4        | +3        | +3    |
| Cuddapah . . .     | P        | P         | P      | -3     | +2   | 0     | 0     | +4      | +3         | +1       | -5        | -3        | P     |
| Madras . . .       | +4       | +1        | +3     | +4     | +7   | +13   | +10   | +7      | +3         | +4       | +1        | +2        | +5    |
| Salem . . .        | +13      | +13       | +13    | +6     | +9   | +5    | +6    | +5      | +5         | +4       | +3        | +2        | +7    |
| Wellington . . .   | +9       | -3        | -1     | -6     | +6   | +1    | +8    | +3      | +5         | -2       | -4        | -3        | +1    |
| Coimbatore . . .   | +16      | +15       | +10    | -4     | 0    | -2    | -1    | -1      | +1         | -6       | -6        | -7        | +1    |
| Trichinopoly . . . | +1       | +3        | +3     | +2     | +8   | +4    | +8    | +9      | +6         | -5       | +1        | -1        | +3    |
| Negapatam . . .    | +5       | +2        | +2     | +4     | +4   | +8    | +9    | +8      | +5         | +1       | -3        | -3        | +4    |
| Madura . . .       | +7       | +4        | +1     | 0      | +1   | -2    | +2    | 0       | +1         | -8       | -5        | -10       | -1    |
| Cochin . . .       | +1       | -4        | -3     | -2     | +1   | 0     | +1    | +1      | -1         | 0        | -2        | -3        | -1    |
| Colombo . . .      | -1       | -5        | -6     | 0      | 0    | -5    | -4    | -4      | -5         | -4       | -6        | -5        | -4    |
| Jaffna . . .       | -1       | -3        | -6     | -6     | -3   | +5    | +4    | -3      | -7         | -5       | -5        | -5        | -3    |
| Trincomalee . . .  | +9       | +2        | -4     | -4     | -2   | -2    | +1    | -3      | -3         | -8       | -9        | -3        | -2    |
| Batticaloa . . .   | 0        | -2        | -5     | -6     | -3   | +2    | -1    | -4      | -3         | -10      | -8        | -5        | -4    |
| Hambantota . . .   | +15      | -2        | P      | +3     | P    | P     | P     | P       | P          | P        | P         | -8        | P     |
| Galle . . .        | +12      | -2        | -2     | +6     | +3   | +1    | +5    | +1      | +1         | +1       | 0         | -1        | +2    |
| Kandy . . .        | 0        | +8        | -5     | -4     | -1   | -1    | P     | +7      | -2         | -2       | -6        | -21       | P     |
| Newera Eliya . . . | 0        | -1        | -6     | -4     | +10  | 0     | +3    | +2      | +5         | +1       | -3        | +1        | +1    |
| Akyab . . .        | +6       | -6        | -4     | -3     | -3   | -2    | -2    | -4      | -5         | -6       | -5        | -7        | -3    |
| Thayetmyo . . .    | +1       | +2        | -4     | -4     | -1   | +2    | 0     | +3      | -1         | +3       | +6        | +3        | +1    |
| Toungoo . . .      | +1       | +2        | -2     | -7     | +3   | 0     | 0     | -1      | 0          | -1       | +1        | -4        | -1    |
| Bassein . . .      | -1       | +2        | -1     | -1     | +4   | 0     | +1    | -1      | 0          | -1       | -1        | -3        | 0     |

TABLE XXII.—Comparison of monthly mean relative humidity in 1886, with the averages of Table XX—concluded.

| STATIONS.            | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|----------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Diamond Island . . . | +4       | +4        | 0      | +1     | ?    | 0     | +1    | 0       | +1         | +1       | +2        | —1        | ?     |
| Rangoon . . .        | +1       | +4        | +3     | —3     | +4   | +2    | —1    | 0       | —1         | 0        | —1        | —2        | +1    |
| Moulmein . . .       | +4       | +4        | 0      | —5     | +5   | 0     | 0     | 0       | 0          | +1       | —3        | —5        | 0     |
| Mergui . . .         | —2       | +3        | +4     | —1     | 0    | —1    | —1    | —3      | —2         | +2       | +1        | —1        | 0     |
| Port Blair . . .     | —2       | +1        | +1     | +1     | +1   | 0     | +2    | 0       | —2         | +1       | +1        | —4        | 0     |
| Nancowry . . .       | +2       | +2        | —1     | —1     | +3   | +1    | +1    | —1      | +2         | 0        | +2        | —3        | +1    |

TABLE XXIII.—Geographical Summary of the differences of Table XXI.

| PROVINCES.                                  | Stations. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|---------------------------------------------|-----------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| North-Western Himalaya.                     | 6—7       | +009     | +006      | +018   | —023   | +023 | —010  | +023  | +004    | —024       | +016     | +009      | +004      | +005  |
| Sikkim Himalaya and Nepal.                  | 2         | +008     | +008      | +001   | —020   | —004 | —005  | +001  | —008    | —002       | +013     | +007      | +007      | +001  |
| Punjab plains .                             | 8—9       | +035     | —017      | +033   | —020   | —006 | —004  | +063  | +017    | —044       | +013     | +020      | +001      | +008  |
| Gangetic plains .                           | 10—11     | +035     | —034      | +038   | —044   | +038 | +010  | +034  | +024    | +013       | +078     | +050      | +040      | +024  |
| Western Rajputana, Sind, Cutch and Guzerat. | 8—9       | +003     | —050      | —008   | —011   | +031 | —007  | —002  | —015    | —043       | +014     | +049      | —025      | —005  |
| Eastern Rajputana and Central India         | 9         | +032     | —040      | +025   | —070   | +008 | +011  | +036  | +022    | —046       | +143     | +065      | +027      | +018  |
| Nerbudda Valley .                           | 3         | +018     | —048      | +004   | —078   | +017 | +023  | +020  | 0       | —073       | +145     | +067      | +035      | +011  |
| South Behar and Chutia Nagpur.              | 1—2       | +019     | —040      | +055   | —069   | +011 | ?     | —022  | +006    | +012       | +133     | +064      | +031      | +013  |
| Lower Bengal .                              | 7         | +005     | —070      | —005   | —019   | —005 | +001  | +003  | +004    | +004       | +066     | +045      | +029      | +005  |
| Assam and Cachar                            | 3         | +005     | —018      | —008   | —022   | +004 | +015  | +001  | +009    | +008       | +049     | —009      | +012      | +004  |
| Orissa and Sambalpur.                       | 2—3       | 0        | —051      | +008   | —021   | —009 | +014  | +005  | +003    | —010       | +066     | +062      | +043      | +009  |
| Central Provinces South, and Berar          | 9—10      | +021     | —028      | —002   | —087   | +027 | +035  | +018  | +009    | —052       | +129     | +049      | +018      | +011  |
| Konkan .                                    | 4         | 0        | —026      | —011   | —035   | +006 | —004  | —006  | —010    | +004       | +042     | +052      | +014      | +002  |
| Malabar Coast .                             | 2         | +055     | —025      | +019   | +029   | +021 | +024  | —008  | —009    | —004       | +005     | —017      | —034      | +005  |
| Deccan, Hyderabad and Mysore.               | 8—9       | +031     | —018      | +002   | —032   | +027 | +027  | +023  | +017    | +003       | +074     | +017      | +011      | +015  |
| East Coast and Carnatic.                    | 8—10      | +046     | +046      | +052   | +040   | +033 | +036  | +039  | +028    | +022       | +019     | +009      | —014      | +030  |
| Ceylon .                                    | 5—7       | +017     | —016      | —015   | —022   | —007 | +015  | 0     | —003    | —002       | +010     | —022      | —040      | —007  |
| Arakan and Pegu .                           | 7         | +018     | —012      | —011   | —022   | +018 | —018  | +002  | +001    | 0          | +008     | —020      | —033      | —006  |
| Tenasserim .                                | 2         | —015     | +037      | +041   | +006   | +005 | —003  | +003  | —004    | —007       | 0        | —037      | —098      | —006  |
| Bay Islands .                               | 2         | —004     | +019      | +010   | +015   | +029 | +017  | +028  | +015    | +015       | —001     | —013      | —051      | +007  |

TABLE XXIV.—*Geological Summary of the differences of Table XXII.*

| PROVINCES.                                  | Stations. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|---------------------------------------------|-----------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| North-Western Himalaya.                     | 6         | +5       | +3        | +10    | -4     | +6   | +1    | +4    | +2      | -6         | +2       | -2        | -1        | +2    |
| Sikkim Himalaya and Nepal.                  | 2         | +2       | +2        | -2     | -3     | +1   | -3    | 0     | +1      | -2         | +3       | -4        | +1        | 0     |
| Punjab plains                               | 8-9       | +8       | -1        | +8     | -3     | -1   | +1    | +6    | +1      | -7         | +1       | +3        | -1        | +1    |
| Gangetic plains                             | 10-11     | +6       | -6        | +4     | -4     | +4   | +2    | +4    | +3      | +2         | +6       | +3        | +2        | +2    |
| Western Rajputana, Sind, Cutch and Guzerat. | 8-9       | +1       | -8        | +1     | +4     | -1   | -1    | +1    | -1      | -3         | -2       | +2        | -4        | -1    |
| Eastern Rajputana and Central India         | 9         | +6       | -5        | +4     | -6     | -1   | +3    | +5    | +3      | -5         | +13      | +6        | +3        | +2    |
| Nerbudda Valley                             | 3         | +5       | -4        | +2     | -2     | +1   | +5    | +3    | 0       | -10        | +12      | +6        | +6        | +2    |
| South Behar and Chutia Nagpur.              | 1-2       | +3       | -7        | +9     | -5     | +4   | -2    | 0     | -1      | +3         | +14      | +6        | +2        | +2    |
| Lower Bengal                                | 7         | +1       | -7        | +2     | -2     | 0    | -1    | +1    | 0       | +2         | +2       | +2        | 0         | 0     |
| Assam and Cachar                            | 3         | -1       | -4        | -2     | -3     | -3   | -1    | +1    | +1      | 0          | 0        | -3        | 0         | -1    |
| Orissa and Sambalpur.                       | 2-3       | +1       | -6        | 0      | -4     | -2   | +2    | 0     | -1      | -1         | +2       | +2        | +2        | 0     |
| Central Provinces South, and Berar.         | 9-10      | +5       | -3        | +1     | -8     | +2   | +5    | +3    | 0       | -9         | +12      | +3        | +2        | +1    |
| Konkan                                      | 4         | +2       | -3        | -1     | -2     | -1   | -1    | +1    | -1      | -2         | +4       | +5        | +2        | 0     |
| Malabar Coast                               | 2         | +4       | -4        | -1     | +1     | +3   | -1    | +1    | +1      | -1         | +1       | -2        | -3        | 0     |
| Deccan, Hyderabad and Mysore.               | 8-9       | +5       | -2        | 0      | -4     | +3   | +4    | +3    | +3      | -3         | +8       | 0         | +3        | +2    |
| East Coast and Carnatic.                    | 8-10      | +6       | +3        | +2     | +1     | +4   | +4    | +4    | +4      | +1         | +1       | -1        | -2        | +2    |
| Ceylon                                      | 5-7       | +5       | -1        | -5     | -2     | -1   | 0     | +1    | -1      | -3         | -5       | -6        | -7        | -2    |
| Arakan and Pegu                             | 6-7       | +2       | +1        | -1     | -2     | +1   | +1    | 0     | 0       | -1         | 0        | +1        | -2        | 0     |
| Tenasserim                                  | 2         | +1       | +4        | +2     | -3     | +3   | -1    | -1    | -2      | -1         | +2       | -1        | -3        | 0     |
| Bay Islands                                 | 2         | 0        | +2        | 0      | 0      | +2   | +1    | +2    | -1      | 0          | +1       | +2        | -4        | 0     |

*January.*—The humidity of the atmosphere was above the average over the whole of India, except Assam and the Bay Islands. It was relatively and absolutely most in excess in the Punjab, North-Western Provinces and Eastern Rajputana, and to a nearly equal extent in the Malabar and Carnatic coast districts, the Deccan and Ceylon. The excess was absolutely greatest in the South-East Punjab at Lahore and Ludhiana. The relative humidity in the North-West Himalayas was also above the normal, but not quite to the same extent as in the plains, and the excess there was almost entirely due to the unusually low temperature which prevailed during the month in that region. There was also a moderate excess absolutely and relatively in Behar, Chutia Nagpur, and the Central Provinces. In Bengal, Orissa, Assam and the Eastern Peninsula, the variations were small.

*February.*—was drier than usual over almost the whole of India, and the differences between the actual and normal values were as marked in the values of the mean vapour pressure as in those of the relative humidity. The humidity was slightly in excess in the Himalayan districts, but this was mainly due to the temperature being lower than is usual in February. There was also a moderate excess in the amount of vapour in the air in the

Coromandel coast districts, and Tenasserim, and also, but to a much less extent, in the Bay Islands. Over the remainder of the Indian area the air was drier than usual. The deficiency was most marked in Bengal, Orissa, Behar, the North-Western Provinces, Rajputana and Sind, and diminished in amount southwards. The variations differed very considerably from station to station, more especially in North-Western India. The largest local variation occurred at Kurrachee, where the winds were much more directly from the dry interior of Beluchistan than usual. The relative humidity at that station was only 35 or 21 less than the normal (56). The relative humidity and the vapour tension were slightly below the average in the Bombay and Malabar coast districts; there was a moderate deficiency in the Central Provinces, and a slight deficiency on the whole but accompanied with great irregularity, in the Deccan, Southern India and Ceylon. Thus there was a small area represented by Coimbatore and Salem, in which the relative humidity was 69 per cent. or 14 per cent. above the normal (55). If the Masulipatam observations can be accepted, there was a very large deficiency (of 15 per cent.) in the humidity of that station.

*March.*—The month of March was characterized, on the whole, by greater humidity than usual in Northern India, and by normal or decreased humidity in Southern India. There was a very large excess in the North-West Himalayas and the Punjab, and also perhaps locally in South Behar and Chutia Nagpur. The humidity observations at Gya, upon which the figures giving the hygrometric condition of South Behar depend, were at this period very doubtful, and it is more probable that the excess was moderate, and intermediate between that in the North-Western Provinces and Bengal. The excessive humidity was greatest locally at Lahore in the Punjab plains. The relative humidity was in excess by small amounts over North-Eastern India, and the Eastern Peninsula, but there were local exceptions as at Patna, Dacca and the coast stations of False Point and Saugor Island.

*April*—was a dry month. The humidity was both absolutely and relatively below the average over the whole Indian area, except the Carnatic and Malabar coasts, the Bay Islands, and Tenasserim. The lowest humidities were registered in the Central Provinces, Central India, Rajputana, and the adjacent districts of the North-Western Provinces, including Agra and Jhansi. The following gives the lowest average monthly humidities :—

|                       |    |                    |    |
|-----------------------|----|--------------------|----|
| Agra . . . . .        | 27 | Neemuch . . . . .  | 20 |
| Jhansi . . . . .      | 23 | Sutna . . . . .    | 19 |
| Nagpur . . . . .      | 19 | Indore . . . . .   | 18 |
| Jubbulpore . . . . .  | 23 | Jeypore . . . . .  | 26 |
| Hoshangabad . . . . . | 22 | Sambhar . . . . .  | 23 |
| Chikalda . . . . .    | 21 | Mt. Abu . . . . .  | 23 |
| Akola . . . . .       | 19 | Deesa . . . . .    | 25 |
| Amraoti . . . . .     | 17 | Sholapur . . . . . | 25 |

The deficiency in the relative humidity was greatest in the Central Provinces, the Berars, Chutia Nagpur and South Behar, Central India, and Eastern Rajputana, and hence over the area of highest temperature and of greatest excess of temperature during the month. The deficiency decreased in amount from this central area. The deficiency was absolutely greatest at Hazaribagh, Sambalpur, Raipur and in the Berars, and at Simla and Chakrata. The deficiency was small in Assam and Bengal and decreased in amount southwards, and

in the neighbourhood of the coasts in Southern India and the Eastern Peninsula there was a slight excess.

*May.*—The variations in this month were smaller than in the preceding month and were also more irregular. The humidity increased in Southern India and was above the average over the Deccan, as well as in the coast districts of Bombay and Madras. It was normal in Bengal, and slightly in defect in Orissa and Assam. It was, on the other hand, above the average in Chutia Nagpur and Behar, and the North-Western Provinces, and also in the hill districts of Northern India. The humidity was below the normal to a very slight extent in North-West India (the Punjab, Rajputana, Sind and Guzerat) and the Konkan. May is usually the driest month of the year in Upper India and that in which the lowest humidities are recorded. The following give the lowest 10 A.M. humidities registered during the month:—

| Stations.           | Per cent. | Stations.         | Per cent. |
|---------------------|-----------|-------------------|-----------|
| Peshawar . . . . .  | 7         | Neemuch . . . . . | 8         |
| Kurrachee . . . . . | 8         | Seoni . . . . .   | 7         |
| Sutna . . . . .     | 9         | Indore . . . . .  | 9         |
| Gorakhpur . . . . . | 7         |                   |           |

At the hill stations of the North-Western Provinces the humidity was considerably above the average.

*June.*—The absolute humidity was either normal or above the average over the whole of India, with the exception of the Indus Valley, an area including Allahabad, Benares, Patna and Gya, Hazaribagh and Burdwan, and that portion of Rajputana represented by Pachpadra, Jeypore and Bickaneer. The observations of the latter station, if they can be accepted, shew a very large deficiency in Central Rajputana. The variations of the relative humidity were very generally small in amount. There was a moderate increase of humidity in the Deccan and Carnatic coast districts and in the Central Provinces. The variations were very uniform in amount in the Central Provinces and Berar.

*July.*—The air was more humid than usual in almost every part of India. The increase in the absolute humidity or amount of moisture in the air was most marked in the Punjab, East Rajputana, and the North-Western Provinces, and to a somewhat less extent in the Deccan and Coromandel coast districts. The greatest excess was shewn by Quetta and Peshawar, where the air contained nearly 25 per cent. more moisture than the normal. The Bickaneer observations, if they may be trusted, on the other hand shew that the air was excessively dry in Central Rajputana. The relative humidity presented the same general features as the absolute humidity. There was a considerable excess in the Punjab, the North-Western Provinces, East Rajputana, Central India, the Central Provinces, the Deccan, and Carnatic. In other districts the abnormal variations were small and of little importance.

*August.*—The variations during this month were smaller than during any other month of the year, and over the greater part of the country the humidity conditions were normal. There was a slight excess in the North-Western Provinces, Central India, the Deccan and Carnatic coast districts. The air was abnormally dry locally at Bickaneer and Jacobabad.



*September.*—The rains ceased earlier than usual and the month was unusually dry in Upper and Central India. In the Central Provinces and Berar the deficiency in the humidity averaged 9 per cent., and in the Punjab 7 per cent. The deficiency was greatest in the Berars and at Nagpur, Pachmarhi and Hoshangabad, and also at Bickaneer, where it varied from 10 to 14 per cent. The variations were negative in all other districts, except Bengal, Behar and the North-Western Provinces, where the air was slightly damper than usual.

*October.*—The humidity conditions of this month were very unusual. A succession of small storms formed in the neighbourhood of the North-West Coast of the Bay and advanced either to the north-west into South Behar or west into the Central Provinces. The indraught to these small and very slow-moving storms brought up unusually large amounts of vapour into Northern and Central India, and the air was hence very much more humid than usual. The relative humidity was normal in Arakan and Pegu and Assam, and slightly below the average in Ceylon. It was in excess in all other districts. The excess averaged 14 per cent. in South Behar and Chutia Nagpur, 13 per cent. in Central India, and 12 per cent. in the Central Provinces. This excessive humidity was most marked in certain portions of the Central Provinces and Central India. It was more than 15 per cent. in excess at Jhansi, Saugor, Pachmarhi, Chikalda, Amraoti, Nowgong, and Sutna, and was absolutely greatest at Jhansi, where the relative humidity was 20 per cent. above the normal. It was also considerably above the average in the area represented by the stations of Poona, Sholapur, Belgaum, Secunderabad, Malegaon, at each of which stations the excess was above 10 per cent. The excess in the Gangetic plain averaged 6 per cent., in the Punjab 3 per cent., and in Lower Bengal 2 per cent. In the extreme south of India there was a slight deficiency which was most marked at Coimbatore, Trichinopoly, and Madura. In Sind, also, the air was considerably drier than usual.

*November.*—The relative and absolute humidity varied less but more irregularly from the normal than in October. The absolute and relative humidities were both well above the average in South Behar, Chutia Nagpur, Central India, the Gangetic plain, the Punjab, the Central Provinces and Orissa, and also in the Konkan. The relative humidity was 10 per cent. or more in excess at Sutna, Rajkot and Surat. It was slightly in excess in Bengal, but over the Himalayan area and in Assam there was a small deficiency. The humidity was normal in the Deccan, but further south, in the Carnatic coast districts, Southern Madras, Travancore and Ceylon, it was below the average. The deficiency in Southern India was greatest as in October at Madura and Coimbatore, and at Trincomalee and Batticaloa in North-East Ceylon.

*December.*—Over the whole of Northern and Central India and in the Deccan the humidity varied slightly from the average and generally in excess. In some parts of Central India and the Central Provinces (including Sutna, Nowgong, Indore, and Hoshangabad) the excess in the relative humidity was rather large, varying from 7 to 9 per cent. In the extreme south of India and Ceylon the same conditions prevailed as in the two preceding months. Madura and Coimbatore shewed the greatest deficiency in Southern India, and Kandy in Ceylon the unusually large deficiency of 21 per cent.

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The preceding remarks have shewn that February and April were drier months than usual, and that September was an unusually dry month in the interior, and that in the

remaining months of the year, the humidity was, on the whole, above the average. The variations from the normal conditions were not large, except in the month of October, when the humidity of the atmosphere was very considerably above the average over the whole of Northern and Central India and the Deccan. The averages of all the anomalies in the monthly columns of Table XXI give the following results:—

|                          | January. | February. | March. | April. | May.  | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------------|----------|-----------|--------|--------|-------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Number of stations . . . | 114      | 115       | 114    | 116    | 116   | 117   | 116   | 118     | 118        | 118      | 118       | 117       | 118   |
| Variation . . .          | +·021    | —·021     | +·012  | —·029  | +·017 | +·013 | +·019 | +·006   | —·015      | +·052    | +·025     | +·001     | +·008 |

The mean anomaly of the year was hence +·008, or the absolute humidity was very slightly in excess. There was a marked contrast of conditions between Southern India and Central and Northern India, greater humidity in the one area generally occurring with diminished humidity in the other. According to the figures in the column of Tables XXIII and XXIV the districts in which the humidity was most persistently above the average included South Behar, Chutia Nagpur, Central India, East Rajputana, and the Gangetic plains. The greatest deficiency in the average amount of moisture occurred in Ceylon and the Madura and Tinnevely districts of South Madras.

### CLOUD PROPORTION.

The proportion of cloud is estimated, in the usual way, in tenths of the sky expanse, an overcast sky being denoted by 10, a cloudless sky by 0. From the very nature of the observations, it follows that the estimated amounts at different stations must be affected, to some extent, by the personal equation of the observer; and doubtless some of the differences to be observed in the tables, are mainly attributable to this cause. The general excess of the present year at Batticaloa, and the high deficiency at Sib-sagar, Salem and Madura, are probably due, in part, to a change of the observer or of his method of estimating; but, on the whole, the observations are fairly accordant, and the general result of a number of stations, similarly situated, may be accepted with considerable confidence as indicating the variations of cloudiness in different months, or in different parts of the country.

Table XIII (Appendix) gives the monthly means of the observations of stations for the hours of observation, (except in the case of the Ceylon stations), and also the daily averages of these. At the large majority of the stations, the hours are 10 h. and 16 h. only, (10 A.M. and 4 P.M.), but at Calcutta, Bombay, Allahabad, Jeypore, Lahore, Leh, Chamba, Vizagapatam, and Saugor Island, the observations are recorded four times daily, *viz.*, at the two first mentioned stations and Leh, at 6 h. and 22 h., (6 A.M. and 10 P.M.), and the remainder at 4 h. and 22 h., in addition to those of 10 A.M. and 4 P.M. At certain Madras stations, 10 P.M. is substituted for 4 P.M. Whatever the hours, the figures in the column of means are the averages of those in the subsequent columns without correction; a practice which has been followed in previous reports.

Table XXV below gives the averages, similarly obtained from the observations of several years at 129 stations, being in no case taken from less than three years' observations. Tables XXVI and XXVII shew the differences for the year 1886, in excess or defect of these averages, first at the individual stations, and second, as summarized for the geographical divisions adopted in previous sections of this report:—

TABLE XXV.—Average proportion of clouded sky in each month, deduced from the registers of past years.

| STATIONS.            | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|----------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Aden . . .           | 3—5    | 4'07     | 4'69      | 3'97   | 3'26   | 2'53 | 1'60  | 3'10  | 2'18    | 2'29       | 2'11     | 2'49      | 5'72      | 3'17  |
| Amini Divi . . .     | 3—5    | 3'84     | 2'25      | 3'47   | ?      | 4'75 | 7'45  | 7'68  | 7'08    | 6'55       | 6'77     | 5'84      | 4'73      | ?     |
| Quetta . . .         | 8      | 4'36     | 4'47      | 4'88   | 3'78   | 2'08 | 1'09  | 1'66  | 1'50    | 0'57       | 0'45     | 0'88      | 3'08      | 2'40  |
| Leh . . .            | 13     | 6'48     | 6'75      | 6'55   | 6'37   | 6'42 | 4'92  | 5'08  | 5'02    | 3'91       | 3'85     | 3'97      | 5'35      | 5'39  |
| Mooltan . . .        | 15     | 2'67     | 2'57      | 2'51   | 1'74   | 1'32 | 1'04  | 2'36  | 2'14    | 1'06       | 0'33     | 0'75      | 1'84      | 1'69  |
| Dera Ismail Khan . . | 15     | 3'21     | 2'93      | 3'29   | 2'90   | 1'80 | 1'52  | 2'31  | 1'92    | 0'96       | 0'54     | 1'38      | 2'25      | 2'08  |
| Peshawar . . .       | 10—11  | 4'71     | 4'14      | 4'92   | 4'57   | 2'93 | 2'04  | 2'62  | 2'71    | 1'68       | 1'41     | 1'93      | 3'34      | 3'08  |
| Murree . . .         | 15     | 5'81     | 5'43      | 6'17   | 5'45   | 4'30 | 3'73  | 6'27  | 6'16    | 3'50       | 2'12     | 2'90      | 4'46      | 4'69  |
| Rawalpindi . . .     | 15     | 4'39     | 4'18      | 4'34   | 3'69   | 2'71 | 2'02  | 3'91  | 3'60    | 1'95       | 1'17     | 1'80      | 3'00      | 3'06  |
| Sialkot . . .        | 15     | 4'67     | 4'28      | 4'58   | 3'85   | 2'91 | 2'46  | 4'84  | 4'68    | 2'56       | 1'10     | 1'92      | 3'20      | 3'42  |
| Lahore . . .         | 15     | 3'30     | 3'47      | 3'25   | 2'52   | 2'35 | 2'95  | 4'27  | 3'57    | 1'62       | 0'81     | 1'19      | 2'04      | 2'61  |
| Ludhiana . . .       | 15     | 3'83     | 3'70      | 3'92   | 2'84   | 2'25 | 2'99  | 5'74  | 5'18    | 2'72       | 0'89     | 1'31      | 2'68      | 3'17  |
| Chamba . . .         | 3      | ?        | ?         | ?      | ?      | ?    | ?     | ?     | ?       | ?          | 2'17     | 1'81      | 3'65      | ?     |
| Kailang . . .        | 3—4    | 6'73     | 5'94      | 6'72   | 5'86   | 6'04 | 5'48  | 5'93  | 6'09    | 4'64       | 4'00     | 3'37      | 4'68      | 5'46  |
| Simla . . .          | 6—7    | 5'26     | 5'08      | 5'19   | 4'38   | 4'28 | 6'02  | 8'63  | 8'61    | 5'71       | 1'18     | 1'45      | 3'60      | 4'95  |
| Delhi . . .          | 12—13  | 3'48     | 3'11      | 3'33   | 2'67   | 2'29 | 3'74  | 6'14  | 5'87    | 3'46       | 0'99     | 0'70      | 1'90      | 3'13  |
| Sirsa . . .          | 10—11  | 3'87     | 3'89      | 4'26   | 3'49   | 2'98 | 3'47  | 5'54  | 5'30    | 2'86       | 1'03     | 1'16      | 2'63      | 3'37  |
| Chakrata . . .       | 15—16  | 4'65     | 4'83      | 4'25   | 3'62   | 3'79 | 5'11  | 8'67  | 8'62    | 6'51       | 1'79     | 1'45      | 3'33      | 4'72  |
| Dehra . . .          | 15—16  | 4'03     | 4'03      | 3'61   | 2'90   | 3'02 | 4'27  | 7'70  | 7'44    | 4'73       | 1'04     | 1'08      | 2'51      | 3'86  |
| Roorkee . . .        | 15—16  | 3'34     | 3'41      | 2'61   | 2'18   | 1'87 | 3'24  | 6'44  | 6'18    | 4'05       | 0'86     | 0'78      | 2'21      | 3'10  |
| Ranikhet . . .       | 15—16  | 3'96     | 4'51      | 3'91   | 3'27   | 3'79 | 5'59  | 8'71  | 8'51    | 5'96       | 1'59     | 1'14      | 2'55      | 4'46  |
| Pithoragarh . . .    | 5—6    | 4'37     | 3'93      | 4'01   | 3'33   | 4'42 | 5'91  | 7'43  | 7'65    | 5'66       | 2'13     | 1'30      | 2'39      | 4'38  |
| Meerut . . .         | 14—16  | 3'01     | 2'69      | 2'67   | 2'06   | 1'90 | 3'13  | 6'71  | 6'28    | 3'91       | 0'71     | 0'57      | 1'77      | 2'95  |
| Bareilly . . .       | 15—16  | 2'90     | 2'84      | 2'61   | 1'65   | 1'82 | 3'75  | 6'79  | 6'67    | 4'20       | 0'86     | 0'56      | 1'72      | 3'03  |
| Agra . . .           | 15—16  | 2'07     | 2'34      | 2'02   | 1'45   | 1'35 | 3'62  | 6'47  | 6'31    | 3'82       | 0'92     | 0'49      | 1'42      | 2'69  |
| Lucknow . . .        | 15—16  | 2'70     | 3'04      | 2'83   | 2'02   | 1'99 | 4'68  | 7'66  | 7'41    | 5'40       | 1'71     | 0'82      | 1'91      | 3'51  |
| Gorakhpur . . .      | 14—16  | 1'52     | 1'78      | 1'52   | 1'06   | 1'77 | 3'92  | 5'41  | 5'36    | 4'34       | 1'78     | 0'66      | 1'00      | 2'51  |
| Jhansi . . .         | 12—16  | 0'72     | 0'62      | 0'40   | 0'38   | 0'60 | 1'82  | 4'35  | 3'88    | 1'92       | 0'45     | 0'25      | 0'41      | 1'32  |

TABLE XXV.—Average proportion of clouded sky in each month, deduced from the registers of past years—continued.

| STATIONS.            | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|----------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Allahabad . .        | 16     | 1'78     | 2'05      | 1'91   | 1'26   | 1'62 | 4'44  | 7'60  | 7'34    | 5'19       | 1'77     | 0'88      | 1'61      | 3'12  |
| Benares . .          | 15—16  | 2'04     | 2'21      | 2'11   | 1'62   | 1'93 | 4'93  | 7'61  | 7'37    | 5'49       | 2'40     | 1'13      | 1'66      | 3'38  |
| Ghazipur . .         | 4—5    | 1'70     | 1'73      | 1'68   | 0'79   | 1'42 | 4'61  | 6'81  | 6'73    | 5'22       | 2'63     | 1'08      | 1'57      | 3'00  |
| Katmandu . .         | 7—8    | 3'10     | 3'06      | 3'62   | 4'39   | 5'49 | 5'81  | 6'51  | 7'07    | 6'24       | 3'90     | 1'94      | 3'13      | 4'52  |
| Sibsagar . .         | 13     | 5'37     | 6'00      | 6'24   | 7'13   | 8'01 | 8'48  | 8'69  | 8'60    | 8'17       | 6'78     | 4'57      | 4'60      | 6'89  |
| Dhubri . .           | 5—6    | 1'35     | 1'62      | 2'23   | 2'70   | 4'46 | 6'98  | 6'54  | 7'32    | 6'70       | 2'48     | 1'17      | 1'31      | 3'74  |
| Tura . .             | 3      | 2'35     | 2'64      | 2'82   | 3'18   | 5'14 | P     | 7'18  | 7'15    | 6'90       | 5'13     | 4'02      | 4'13      | P     |
| Silchar . .          | 17—18  | 2'82     | 3'03      | 4'07   | 5'04   | 6'05 | 7'54  | 7'66  | 7'66    | 7'01       | 4'68     | 3'15      | 2'88      | 5'13  |
| Darjeeling . .       | 17—18  | 5'37     | 5'62      | 5'09   | 6'01   | 7'22 | 8'65  | 8'72  | 8'60    | 8'12       | 5'42     | 4'12      | 4'21      | 6'43  |
| Purneah . .          | 11—13  | 1'28     | 1'25      | 1'54   | 1'56   | 3'45 | 5'98  | 7'22  | 7'11    | 6'17       | 3'41     | 0'96      | 1'22      | 3'43  |
| Durbhunga . .        | 9—11   | 1'31     | 1'73      | 1'61   | 1'16   | 2'08 | 4'77  | 6'33  | 6'26    | 5'75       | 3'22     | 0'86      | 1'22      | 3'03  |
| Patna . .            | 17—18  | 2'35     | 2'60      | 2'95   | 2'05   | 2'88 | 6'17  | 8'02  | 7'94    | 7'02       | 3'67     | 1'67      | 2'01      | 4'11  |
| Gya . .              | 15—17  | 1'88     | 2'33      | 2'24   | 1'49   | 2'62 | 6'56  | 8'43  | 8'47    | 7'01       | 3'55     | 1'76      | 1'88      | 4'02  |
| Hazaribagh . .       | 17—18  | 2'24     | 2'13      | 2'51   | 2'52   | 3'39 | 7'32  | 9'03  | 8'62    | 7'77       | 4'25     | 2'23      | 2'06      | 4'51  |
| Berhampore . .       | 17—18  | 2'15     | 2'03      | 2'83   | 3'13   | 5'35 | 8'22  | 8'82  | 8'75    | 8'18       | 4'85     | 2'53      | 1'97      | 4'90  |
| Burdwan . .          | 13—14  | 1'73     | 1'99      | 2'28   | 2'38   | 3'98 | 7'30  | 8'25  | 8'22    | 7'33       | 4'35     | 2'64      | 1'98      | 4'37  |
| Jessore . .          | 18     | 1'74     | 2'01      | 2'92   | 3'53   | 5'18 | 7'82  | 8'44  | 8'01    | 7'58       | 4'76     | 2'37      | 1'70      | 4'67  |
| Dacca . .            | 18     | 1'57     | 1'92      | 3'02   | 3'78   | 5'34 | 7'58  | 7'92  | 7'81    | 6'88       | 4'12     | 2'02      | 1'37      | 4'44  |
| Chittagong . .       | 18     | 1'39     | 1'75      | 3'02   | 4'00   | 5'06 | 7'42  | 7'51  | 7'30    | 6'55       | 4'39     | 2'74      | 2'08      | 4'43  |
| Demagiri . .         | 8—10   | 0'51     | 0'87      | 1'30   | 1'62   | 2'65 | 4'59  | 4'78  | 4'51    | 3'60       | 1'93     | 1'03      | 0'81      | 2'35  |
| Calcutta (Alipore) . | 9—10   | 1'39     | 2'03      | 2'30   | 2'66   | 4'41 | 7'08  | 8'08  | 8'15    | 7'18       | 4'25     | 2'46      | 1'94      | 4'33  |
| Saugor Island . .    | 17—18  | 1'70     | 2'08      | 3'55   | 4'54   | 5'47 | 7'45  | 7'88  | 7'49    | 6'65       | 4'44     | 2'59      | 1'98      | 4'65  |
| Cuttack . .          | 18     | 1'76     | 1'87      | 2'35   | 2'88   | 3'91 | 6'68  | 7'56  | 7'13    | 6'36       | 4'29     | 2'43      | 1'72      | 4'08  |
| False Point . .      | 10—11  | 2'17     | 2'77      | 2'89   | 3'07   | 4'31 | 6'78  | 7'94  | 7'70    | 6'65       | 4'72     | 3'50      | 2'68      | 4'60  |
| Sambalpur . .        | 16     | 1'39     | 1'54      | 1'71   | 2'17   | 2'61 | 5'36  | 6'90  | 6'62    | 5'48       | 2'91     | 2'31      | 1'92      | 3'41  |
| Raipur . .           | 18     | 1'38     | 1'29      | 1'73   | 2'19   | 3'28 | 6'38  | 8'16  | 7'66    | 6'50       | 3'28     | 2'00      | 1'59      | 3'79  |
| Nagpur . .           | 18     | 2'30     | 1'99      | 2'52   | 3'04   | 4'08 | 7'14  | 8'62  | 8'35    | 7'32       | 4'07     | 2'55      | 2'44      | 4'53  |
| Seoni . .            | 16—18  | 3'62     | 3'62      | 3'35   | 3'60   | 3'44 | 4'15  | 4'78  | 4'43    | 3'90       | 3'92     | 3'67      | 3'61      | 3'84  |
| Jubbulpore . .       | 18     | 2'16     | 2'22      | 2'37   | 2'14   | 3'24 | 6'51  | 8'68  | 8'18    | 6'29       | 2'82     | 1'67      | 2'00      | 4'02  |
| Saugor . .           | 15—17  | 1'47     | 1'47      | 1'41   | 1'34   | 1'97 | 4'17  | 6'25  | 5'96    | 4'29       | 1'67     | 1'04      | 1'13      | 2'68  |
| Pachmarhi . .        | 16     | 2'24     | 2'01      | 2'15   | 2'11   | 2'84 | 6'58  | 8'73  | 8'47    | 7'25       | 3'14     | 1'91      | 2'12      | 4'13  |
| Hoshangabad . .      | 16—17  | 1'81     | 1'55      | 1'87   | 2'08   | 2'56 | 5'83  | 8'04  | 7'40    | 5'90       | 2'37     | 1'33      | 1'56      | 3'53  |
| Khandwa . .          | 13—16  | 1'58     | 1'42      | 1'63   | 1'78   | 2'41 | 5'94  | 7'89  | 7'41    | 5'38       | 2'29     | 1'50      | 1'95      | 3'43  |

TABLE XXV.—Average proportion of clouded sky in each month, deduced from the registers of past years—continued.

| STATIONS.         | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|-------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Chanda . . .      | 16—17  | 2'08     | 2'04      | 2'33   | 2'84   | 3'77 | 7'11  | 8'64  | 8'18    | 7'14       | 3'80     | 2'76      | 2'60      | 4'44  |
| Sironcha . . .    | 10—11  | 1'40     | 1'46      | 1'69   | 2'05   | 2'75 | 6'10  | 7'58  | 7'11    | 6'33       | 3'65     | 2'71      | 1'94      | 3'73  |
| Chikalda . . .    | 10—11  | 1'87     | 1'25      | 1'83   | 1'87   | 2'50 | 6'48  | 8'97  | 8'66    | 7'26       | 3'34     | 1'92      | 2'06      | 4'00  |
| Buldana . . .     | 10—12  | 2'48     | 2'15      | 2'27   | 2'31   | 2'88 | 6'17  | 7'94  | 7'49    | 6'62       | 4'45     | 2'61      | 2'78      | 4'18  |
| Akola . . .       | 12     | 1'34     | 1'42      | 1'19   | 1'28   | 2'03 | 6'26  | 8'49  | 8'08    | 6'31       | 2'85     | 1'33      | 1'63      | 3'52  |
| Amraoti . . .     | 12     | 1'95     | 1'85      | 2'04   | 2'22   | 3'39 | 6'90  | 8'50  | 8'10    | 7'08       | 3'93     | 2'23      | 2'64      | 4'24  |
| Makhla . . .      | 8      | 2'73     | 2'85      | 3'09   | 3'07   | 3'72 | 7'82  | 9'51  | 9'22    | 8'60       | 4'71     | 3'10      | 3'17      | 5'13  |
| Neemuch . . .     | 9—10   | 2'33     | 2'74      | 2'38   | 1'98   | 2'22 | 5'15  | 8'25  | 7'92    | 5'74       | 2'29     | 0'65      | 1'91      | 3'63  |
| Nowgong . . .     | 9—10   | 2'70     | 3'34      | 3'00   | 2'28   | 3'38 | 5'73  | 8'46  | 8'14    | 5'74       | 2'89     | 1'08      | 2'05      | 4'07  |
| Sutna . . .       | 10—11  | 2'06     | 2'18      | 2'13   | 2'01   | 2'68 | 5'00  | 7'05  | 6'73    | 5'19       | 2'41     | 1'17      | 1'57      | 3'34  |
| Indore . . .      | 9—10   | 1'91     | 1'71      | 1'99   | 1'67   | 2'31 | 6'34  | 8'49  | 8'44    | 6'76       | 3'23     | 1'37      | 1'83      | 3'84  |
| Bickaneer . . .   | 7—10   | 3'35     | 3'74      | 3'83   | 3'03   | 2'67 | 2'80  | 5'68  | 5'89    | 3'64       | 1'47     | 0'79      | 2'34      | 3'27  |
| Jeypore . . .     | 6      | 2'61     | 2'65      | 2'91   | 2'19   | 2'50 | 4'35  | 7'24  | 6'61    | 3'75       | 1'75     | 0'66      | 1'92      | 3'26  |
| Sambhar . . .     | 6—7    | 2'52     | 2'37      | 2'47   | 1'40   | 1'83 | 3'17  | 6'57  | 5'87    | 3'45       | 1'19     | 0'51      | 1'82      | 2'76  |
| Ajmere . . .      | 15—16  | 2'23     | 2'32      | 2'42   | 2'01   | 1'77 | 3'43  | 6'21  | 6'06    | 3'39       | 0'95     | 0'80      | 1'41      | 2'75  |
| Mount Abu . . .   | 8—11   | 2'64     | 2'90      | 2'84   | 2'35   | 1'99 | 5'40  | 8'74  | 8'47    | 6'16       | 2'31     | 1'06      | 1'88      | 3'90  |
| Pachpadra . . .   | 6—8    | 2'09     | 2'13      | 2'13   | 1'44   | 1'72 | 2'77  | 5'93  | 5'97    | 3'52       | 1'18     | 0'54      | 1'62      | 2'59  |
| Jacobabad . . .   | 8—10   | 2'58     | 3'19      | 3'37   | 2'85   | 1'35 | 0'99  | 2'22  | 2'25    | 0'80       | 0'40     | 0'91      | 1'79      | 1'89  |
| Hyderabad . . .   | 8—10   | 1'80     | 2'41      | 1'72   | 1'17   | 0'67 | 1'41  | 2'94  | 3'05    | 1'60       | 0'37     | 0'72      | 1'11      | 1'58  |
| Kurrachee . . .   | 11—12  | 2'60     | 3'12      | 3'23   | 2'16   | 2'18 | 4'42  | 7'12  | 6'85    | 4'46       | 1'01     | 1'20      | 1'99      | 3'36  |
| Bhuj . . .        | 8—11   | 1'15     | 1'40      | 1'32   | 0'89   | 1'21 | 3'84  | 6'85  | 6'54    | 4'33       | 1'24     | 0'53      | 0'94      | 2'52  |
| Rajkot . . .      | 7—10   | 1'40     | 2'01      | 1'73   | 1'48   | 1'63 | 5'57  | 8'35  | 8'08    | 6'50       | 2'38     | 0'94      | 1'26      | 3'44  |
| Deesa . . .       | 12     | 2'12     | 2'22      | 2'35   | 1'55   | 1'42 | 4'57  | 7'95  | 7'68    | 5'15       | 1'69     | 1'05      | 1'64      | 3'28  |
| Surat . . .       | 9—10   | 0'97     | 0'95      | 1'02   | 0'94   | 1'83 | 5'59  | 8'08  | 6'97    | 5'94       | 2'69     | 0'82      | 1'20      | 3'08  |
| Malegaon . . .    | 9—10   | 1'92     | 1'39      | 1'89   | 2'09   | 2'32 | 5'94  | 7'92  | 7'65    | 6'85       | 3'71     | 1'98      | 2'31      | 3'83  |
| Bombay . . .      | 40     | 1'58     | 1'32      | 1'77   | 2'27   | 4'06 | 7'88  | 9'06  | 8'80    | 7'46       | 4'30     | 2'20      | 1'81      | 4'38  |
| Poona . . .       | 11—12  | 1'95     | 1'66      | 2'40   | 2'30   | 3'07 | 7'47  | 9'00  | 8'63    | 7'93       | 4'99     | 2'80      | 2'78      | 4'58  |
| Sholapur . . .    | 9—10   | 2'24     | 1'80      | 2'47   | 3'19   | 4'01 | 7'09  | 8'12  | 8'09    | 8'14       | 6'08     | 3'79      | 3'12      | 4'85  |
| Ratnagiri . . .   | 10     | 0'61     | 0'48      | 0'56   | 0'61   | 1'74 | 6'47  | 7'71  | 7'25    | 6'16       | 3'40     | 1'21      | 0'91      | 3'09  |
| Belgaum . . .     | 11—12  | 1'76     | 1'41      | 2'05   | 2'50   | 3'47 | 7'72  | 8'87  | 8'48    | 7'64       | 5'64     | 3'61      | 2'93      | 4'67  |
| Karwar . . .      | 9      | 0'97     | 0'76      | 1'85   | 2'31   | 3'16 | 7'21  | 7'65  | 7'14    | 6'13       | 4'66     | 2'65      | 1'63      | 3'84  |
| Gopalpur . . .    | 5—6    | 1'14     | 1'51      | 1'43   | 2'42   | 3'03 | 5'35  | 6'86  | 6'21    | 6'12       | 3'68     | 2'45      | 2'44      | 3'55  |
| Vizagapatam . . . | 17     | 1'75     | 1'44      | 1'79   | 2'54   | 4'10 | 5'95  | 6'67  | 6'27    | 5'63       | 4'47     | 3'25      | 2'40      | 3'86  |
| Rajahmundry . . . | 3      | P        | P         | P      | P      | P    | 5'81  | 7'00  | 6'86    | 6'31       | 5'80     | 4'67      | 4'40      | P     |

TABLE. XXV.—Average proportion of clouded sky in each month, deduced from the registers of past years—concluded.

| STATIONS.        | Years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------|--------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Masulipatam .    | 16—17  | 3'29     | 3'16      | 3'45   | 3'92   | 4'84 | 6'64  | 6'94  | 6'64    | 6'28       | 5'61     | 5'02      | 4'09      | 4'99  |
| Secunderabad .   | 14—16  | 1'79     | 1'38      | 1'71   | 1'90   | 2'73 | 5'50  | 6'84  | 6'11    | 5'91       | 4'22     | 2'93      | 2'27      | 3'61  |
| Kurnool .        | 4      | p        | p         | p      | p      | p    | p     | p     | p       | p          | p        | 3'23      | 3'08      | p     |
| Bellary .        | 16—17  | 2'34     | 1'40      | 2'19   | 3'04   | 4'82 | 7'40  | 8'03  | 7'43    | 7'23       | 6'33     | 4'66      | 3'44      | 4'86  |
| Mangalore .      | 6—7    | 1'49     | 1'26      | 1'92   | 2'77   | 4'58 | 7'99  | 7'96  | 7'49    | 6'59       | 5'73     | 3'85      | 2'44      | 4'51  |
| Mercara .        | 6—7    | 2'86     | 2'31      | 3'59   | 5'22   | 6'58 | 9'51  | 9'82  | 9'49    | 8'98       | 7'85     | 6'57      | 4'87      | 6'47  |
| Bangalore .      | 16—17  | 2'75     | 2'24      | 2'61   | 3'46   | 4'48 | 5'73  | 6'31  | 6'23    | 5'97       | 5'73     | 4'90      | 4'01      | 4'54  |
| Cuddapah .       | 3      | p        | p         | p      | 1'27   | 3'79 | 6'08  | 7'12  | 6'48    | 6'29       | 6'51     | 5'37      | 5'28      | p     |
| Madras .         | 17     | 4'09     | 2'81      | 2'49   | 2'89   | 3'97 | 6'40  | 7'07  | 6'44    | 6'09       | 6'20     | 6'25      | 5'35      | 5'00  |
| Salem .          | 17     | 2'62     | 1'83      | 2'12   | 3'37   | 4'58 | 5'75  | 5'98  | 5'96    | 5'47       | 5'64     | 5'00      | 3'99      | 4'36  |
| Wellington .     | 13—15  | 3'34     | 2'66      | 2'87   | 4'32   | 5'69 | 7'36  | 7'61  | 7'39    | 6'87       | 7'18     | 6'94      | 5'61      | 5'65  |
| Coimbatore .     | 17     | 3'43     | 2'43      | 2'89   | 4'23   | 5'43 | 6'55  | 6'52  | 6'14    | 5'70       | 6'22     | 6'05      | 4'92      | 5'04  |
| Trichinopoly .   | 16—17  | 4'29     | 2'95      | 3'16   | 4'44   | 5'71 | 7'36  | 7'71  | 7'78    | 7'35       | 7'67     | 7'33      | 5'97      | 5'98  |
| Negapatam .      | 17     | 4'71     | 3'76      | 3'30   | 3'62   | 3'84 | 5'14  | 5'28  | 5'40    | 5'23       | 5'71     | 6'46      | 6'09      | 4'88  |
| Madura .         | 17     | 4'10     | 3'75      | 3'81   | 4'39   | 5'00 | 5'43  | 5'30  | 5'24    | 4'91       | 5'36     | 5'50      | 5'01      | 4'82  |
| Cochin .         | 16     | 2'19     | 2'28      | 3'05   | 3'67   | 5'80 | 7'40  | 7'27  | 6'25    | 5'50       | 5'84     | 4'72      | 3'24      | 4'77  |
| Colombo .        | 16—17  | 4'92     | 4'05      | 4'54   | 5'63   | 6'83 | 7'53  | 6'79  | 7'02    | 6'88       | 6'81     | 6'25      | 4'65      | 5'99  |
| Jaffna .         | 16     | 4'46     | 2'93      | 2'71   | 3'66   | 4'13 | 5'54  | 5'43  | 5'59    | 5'01       | 5'62     | 6'43      | 6'16      | 4'81  |
| Trincomalee .    | 16—17  | 5'84     | 4'48      | 4'05   | 4'25   | 5'18 | 6'12  | 5'69  | 5'75    | 5'68       | 5'93     | 6'18      | 6'38      | 5'46  |
| Batticaloa .     | 16—17  | 7'13     | 6'35      | 5'81   | 5'99   | 5'94 | 6'60  | 6'66  | 7'11    | 6'68       | 6'68     | 7'07      | 7'01      | 6'59  |
| Hambantota .     | 17     | 6'79     | 6'39      | 6'01   | 6'93   | 7'15 | 7'80  | 7'55  | 7'69    | 7'42       | 7'29     | 7'32      | 6'74      | 7'09  |
| Galle .          | 17     | 5'52     | 4'75      | 4'89   | 5'73   | 6'56 | 6'87  | 6'44  | 6'41    | 6'31       | 6'64     | 6'35      | 5'55      | 6'00  |
| Kandy .          | 16—17  | 5'09     | 4'30      | 4'72   | 5'29   | 5'75 | 6'78  | 6'53  | 6'49    | 5'94       | 5'98     | 5'89      | 5'92      | 5'72  |
| Newera Eliya .   | 14—17  | 4'94     | 3'78      | 3'90   | 4'95   | 5'75 | 7'90  | 7'42  | 7'18    | 6'57       | 6'44     | 5'81      | 5'54      | 5'85  |
| Akyab .          | 16—18  | 1'60     | 1'10      | 1'93   | 2'92   | 5'28 | 8'05  | 8'46  | 7'97    | 6'85       | 4'79     | 3'27      | 2'46      | 4'56  |
| Thayetmyo .      | 8—9    | 2'05     | 1'17      | 1'27   | 2'31   | 5'04 | 6'70  | 6'85  | 6'45    | 5'98       | 5'31     | 3'95      | 2'90      | 4'17  |
| Toungoo .        | 8—9    | 1'03     | 0'70      | 0'52   | 1'76   | 4'94 | 7'81  | 8'08  | 8'29    | 6'68       | 4'35     | 3'12      | 2'13      | 4'12  |
| Bassein .        | 10     | 2'28     | 1'26      | 0'99   | 2'91   | 6'59 | 8'95  | 9'14  | 9'00    | 8'44       | 7'10     | 4'56      | 3'54      | 5'40  |
| Diamond Island . | 7—9    | 2'69     | 2'26      | 2'45   | 3'23   | 5'43 | 7'81  | 7'80  | 7'56    | 7'07       | 5'60     | 4'77      | 3'55      | 5'01  |
| Rangoon .        | 10—11  | 2'41     | 2'17      | 2'18   | 3'33   | 6'57 | 8'68  | 8'84  | 8'86    | 8'17       | 6'09     | 4'59      | 3'15      | 5'42  |
| Moulmein .       | 7—8    | 0'68     | 0'78      | 0'58   | 2'10   | 4'91 | 8'03  | 8'14  | 7'89    | 5'95       | 3'05     | 1'68      | 1'16      | 3'75  |
| Mergui .         | 8—9    | 2'61     | 3'28      | 3'90   | 5'25   | 7'37 | 9'10  | 8'95  | 8'67    | 8'67       | 7'32     | 5'37      | 2'89      | 6'12  |
| Port Blair .     | 17—18  | 3'39     | 2'78      | 2'88   | 4'05   | 6'24 | 7'02  | 7'15  | 6'97    | 6'94       | 5'81     | 5'04      | 4'49      | 5'23  |
| Nancowry .       | 13—14  | 5'24     | 4'68      | 4'68   | 5'33   | 6'67 | 7'28  | 6'91  | 6'85    | 6'81       | 6'73     | 6'53      | 5'76      | 6'12  |

TABLE XXVI.—Comparison of the mean cloud proportion in each month of 1886 with the average of Table XXV.

| STATIONS.                  | January. | February. | March. | April. | May.  | June. | July. | August. | September. | October. | November. | December. | Year. |
|----------------------------|----------|-----------|--------|--------|-------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Aden . . . . .             | +0'33    | —0'89     | —1'40  | —2'20  | —0'84 | —1'05 | —0'19 | —0'52   | +0'29      | —0'57    | —0'27     | —1'56     | —0'74 |
| Amini Divi . . . . .       | +1'25    | —0'25     | +0'97  | P      | P     | —0'27 | +1'47 | +1'23   | +1'58      | +0'09    | —0'17     | —0'19     | P     |
| Quetta . . . . .           | +1'61    | +1'05     | —0'06  | —0'93  | —0'54 | —0'47 | —0'45 | —1'09   | —0'50      | —0'27    | —0'01     | —0'54     | —0'18 |
| Leh . . . . .              | +0'72    | +0'32     | +1'03  | +0'26  | —1'31 | +0'04 | —0'24 | —0'51   | —1'04      | —0'94    | —0'71     | +0'48     | —0'16 |
| Mooltan . . . . .          | +1'62    | —0'19     | +1'25  | —0'46  | +0'17 | +0'45 | +1'23 | —1'30   | —0'89      | +0'37    | +0'27     | +0'08     | +0'22 |
| Dera Ismail Khan . . . . . | +2'03    | +0'41     | +0'71  | —0'35  | —0'56 | —0'54 | +0'10 | —0'47   | —0'69      | +0'17    | —0'08     | +0'09     | +0'07 |
| Peshawar . . . . .         | +1'81    | +0'67     | +1'36  | +0'35  | —1'02 | —1'19 | —0'23 | —0'16   | —0'19      | —0'78    | +0'32     | +0'71     | +0'14 |
| Murree . . . . .           | +1'64    | +0'86     | +1'61  | —0'38  | —0'90 | +0'47 | +1'23 | +1'11   | —1'47      | —0'96    | —0'30     | +0'16     | +0'26 |
| Rawalpindi . . . . .       | +1'19    | —0'23     | +0'11  | —1'54  | —0'92 | —0'85 | —0'94 | —1'02   | —1'35      | —0'70    | —0'63     | 0         | —0'57 |
| Sialkot . . . . .          | +1'20    | +0'26     | +1'08  | —0'72  | —0'65 | +0'54 | +0'10 | —0'87   | —1'38      | +0'05    | —0'20     | +0'92     | +0'03 |
| Lahore . . . . .           | +2'10    | +0'53     | +1'77  | +0'36  | —0'40 | +0'99 | +0'43 | —1'52   | —0'67      | —0'04    | —0'39     | —0'07     | +0'26 |
| Ludhiana . . . . .         | +2'25    | +0'78     | +1'92  | +0'75  | +1'24 | +1'18 | +1'18 | +0'29   | —0'98      | +0'81    | —0'33     | +0'86     | +0'83 |
| Chamba . . . . .           | P        | P         | P      | P      | P     | P     | P     | P       | P          | —0'30    | —0'79     | +0'29     | P     |
| Kailang . . . . .          | +0'71    | +0'76     | +0'89  | —0'21  | —1'09 | —0'16 | +0'78 | —0'09   | —1'45      | —0'58    | —0'92     | +0'98     | —0'03 |
| Simla . . . . .            | +1'39    | +0'37     | +0'96  | —0'88  | +0'87 | —0'31 | +0'74 | +0'21   | —2'91      | +1'40    | —0'48     | +0'36     | +0'14 |
| Delhi . . . . .            | +1'48    | +0'68     | +2'66  | —0'31  | +1'50 | +2'08 | +1'65 | +1'88   | —1'11      | +1'25    | —0'10     | +0'94     | +1'05 |
| Sirsa . . . . .            | +1'05    | —0'57     | +0'02  | —1'52  | +0'52 | +0'06 | +1'06 | —0'91   | —2'02      | —0'08    | —0'28     | +0'18     | —0'21 |
| Chakrata . . . . .         | +1'81    | +0'24     | +1'01  | —1'20  | +0'46 | —1'15 | —0'59 | —0'46   | —2'26      | +0'50    | —0'21     | +0'17     | —0'14 |
| Dehra . . . . .            | +1'96    | —0'42     | +1'46  | —1'35  | +0'45 | —0'90 | +0'11 | +0'01   | —0'79      | +0'57    | +0'14     | +0'35     | +0'13 |
| Roorkee . . . . .          | +1'47    | —0'32     | +1'38  | —1'41  | +0'26 | —0'76 | —0'01 | —0'05   | —1'76      | +0'38    | —0'01     | +0'35     | —0'04 |
| Ranikhet . . . . .         | +1'74    | —0'60     | +1'69  | —1'45  | +0'55 | —0'24 | +0'44 | +0'42   | —1'53      | +0'46    | —0'16     | +0'08     | +0'12 |
| Pithoragarh . . . . .      | +0'60    | +0'18     | +1'60  | —1'13  | +0'84 | —0'41 | +0'41 | +0'67   | —0'47      | +0'60    | +0'44     | +0'31     | +0'30 |
| Meerut . . . . .           | +1'33    | +0'03     | +1'78  | —1'22  | +0'33 | —0'40 | +0'29 | +0'24   | —2'14      | +0'79    | —0'12     | +0'62     | +0'13 |
| Bareilly . . . . .         | —0'16    | —1'27     | +0'92  | —1'28  | +0'07 | +0'06 | +0'29 | —0'94   | —1'60      | +0'56    | —0'48     | +0'38     | —0'29 |
| Agra . . . . .             | +0'79    | —0'60     | +2'05  | —0'95  | +0'23 | +0'25 | +1'50 | +0'84   | —1'47      | +2'07    | —0'17     | +1'13     | +0'47 |
| Lucknow . . . . .          | +0'45    | —0'03     | +1'95  | —1'40  | +0'07 | —0'58 | +0'12 | +0'37   | —0'41      | +2'81    | —0'15     | +1'19     | +0'37 |
| Gorakhpur . . . . .        | —0'65    | —1'10     | +0'43  | —0'94  | —0'35 | —0'70 | —0'46 | —0'52   | —0'42      | +0'92    | —0'21     | +0'55     | —0'29 |
| Jhansi . . . . .           | +0'33    | —0'62     | +0'65  | —0'28  | +0'18 | +1'43 | +1'28 | +0'20   | —1'28      | +2'02    | —0'21     | +1'24     | +0'41 |
| Allahabad . . . . .        | —0'11    | —0'61     | +1'38  | —0'92  | —0'24 | —0'25 | +0'16 | +0'77   | +0'18      | +3'18    | +0'09     | +0'54     | +0'35 |
| Benares . . . . .          | —0'12    | —0'55     | +0'89  | —1'32  | —0'18 | —0'56 | +0'04 | +0'13   | +0'26      | +2'15    | +0'26     | +0'99     | +0'17 |
| Ghazipur . . . . .         | —0'49    | —0'34     | +0'61  | —0'64  | —0'26 | —1'56 | —0'23 | —0'18   | +0'11      | +1'32    | —0'10     | +0'44     | —0'11 |
| Katmandu . . . . .         | +0'58    | +0'55     | +0'68  | +1'05  | +0'61 | —0'32 | —0'64 | +0'24   | —0'42      | +0'21    | —0'07     | —0'44     | +0'17 |
| Sibsagar . . . . .         | +0'06    | —2'14     | —1'66  | —2'08  | —2'64 | —1'66 | —0'69 | —0'90   | —0'35      | —1'31    | —2'62     | —0'45     | —1'37 |

TABLE XXVI.—Comparison of the mean cloud proportion in each month of 1886 with the average of Table XXV—continued.

| STATIONS.                    | January. | February. | March. | April. | May.  | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------------------|----------|-----------|--------|--------|-------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Dhubri . . . . .             | —0'51    | —0'33     | —0'44  | —0'76  | —0'36 | —0'59 | —0'20 | +0'12   | +0'44      | +0'96    | —0'50     | +0'30     | —0'16 |
| Tura . . . . .               | +1'22    | +0'81     | +2'01  | +1'85  | +1'28 | ?     | +0'52 | +0'88   | +0'77      | +0'40    | —0'53     | +0'81     | ?     |
| Silchar . . . . .            | +1'60    | —0'35     | +0'76  | —0'22  | —0'60 | +0'23 | +1'15 | +0'86   | +1'43      | +0'87    | —0'53     | +0'51     | +0'48 |
| Darjeeling . . . . .         | +0'37    | +0'04     | —1'17  | —0'89  | +0'40 | —0'16 | +0'86 | +0'38   | —0'09      | +1'12    | —0'50     | +1'19     | +0'13 |
| Purneah . . . . .            | —0'36    | —0'53     | —0'55  | —0'49  | —0'04 | —0'46 | —0'26 | —0'90   | +0'65      | —0'20    | —0'07     | +0'41     | —0'23 |
| Durbhunga . . . . .          | —0'35    | —0'88     | —0'31  | —0'64  | —0'24 | —0'23 | —0'49 | +0'18   | +0'63      | +0'19    | —0'04     | +0'44     | —0'15 |
| Patna . . . . .              | —0'89    | —0'45     | +0'55  | —1'51  | +0'46 | —0'32 | —0'29 | +0'55   | +1'70      | +2'09    | +0'12     | +0'93     | +0'24 |
| Gya . . . . .                | +0'57    | —0'49     | +1'05  | —1'35  | +1'11 | —0'61 | —0'07 | —0'56   | +0'04      | +2'37    | +0'64     | +0'75     | +0'29 |
| Hazaribagh . . . . .         | +0'49    | —0'48     | +0'80  | —1'70  | +1'88 | +0'72 | +0'41 | +0'82   | +1'21      | +3'19    | +1'46     | +0'91     | +0'81 |
| Berhampore . . . . .         | +0'29    | —0'67     | +0'95  | —1'10  | +0'38 | +0'03 | +0'29 | —0'17   | +0'42      | +0'62    | +0'17     | +0'05     | +0'11 |
| Burdwan . . . . .            | +0'85    | —1'29     | +0'88  | —1'83  | —0'01 | —0'82 | +0'51 | +0'30   | +1'42      | +0'51    | +0'90     | —0'02     | +0'12 |
| Jessore . . . . .            | +1'39    | —0'72     | +1'21  | +0'06  | +1'79 | +1'08 | +1'01 | +1'54   | +1'89      | +1'53    | +0'33     | +0'61     | +0'98 |
| Dacca . . . . .              | +0'02    | —0'86     | +0'40  | —0'70  | +0'03 | —0'34 | —0'34 | +0'10   | +0'36      | +0'64    | —0'09     | +0'31     | —0'04 |
| Chittagong . . . . .         | +1'77    | —0'34     | +2'02  | +0'50  | +1'20 | +0'30 | +0'38 | +1'56   | +1'17      | +0'72    | +0'15     | —0'51     | +0'74 |
| Demagiri . . . . .           | +0'17    | —0'48     | +0'60  | —0'15  | +0'45 | +2'11 | +2'41 | +2'68   | +2'37      | +1'60    | +0'84     | —0'42     | +1'02 |
| Calcutta (Alipore) . . . . . | +0'38    | —1'31     | +0'46  | —1'13  | —0'35 | +0'35 | +0'08 | —0'06   | +0'66      | +0'63    | +0'18     | —0'29     | —0'03 |
| Saugor Island . . . . .      | +0'67    | —0'81     | —0'03  | —1'52  | —0'88 | —0'25 | —0'35 | +0'28   | —0'23      | +0'17    | +0'26     | +0'01     | —0'22 |
| Cuttack . . . . .            | +0'55    | —1'10     | +0'33  | —1'38  | +1'64 | +1'26 | +0'97 | +1'57   | +1'56      | +2'39    | +1'44     | +0'17     | +0'78 |
| False Point . . . . .        | +0'83    | —0'57     | +1'06  | +0'43  | +1'03 | +1'19 | +0'11 | —0'10   | +0'88      | +2'14    | +0'84     | +0'70     | +0'71 |
| Sambalpur . . . . .          | +2'02    | +0'14     | +1'08  | —1'21  | +1'05 | +3'39 | +2'43 | +2'37   | +2'80      | +3'28    | +1'46     | +1'30     | +1'68 |
| Raipur . . . . .             | +2'11    | +1'23     | +1'29  | —0'45  | +0'82 | +1'77 | +1'15 | +1'41   | +2'00      | +4'29    | +2'07     | +2'09     | +1'66 |
| Nagpur . . . . .             | +1'14    | +0'03     | —0'32  | —1'42  | —1'03 | +0'66 | +0'38 | +0'30   | —1'97      | +1'96    | —0'01     | +0'59     | +0'03 |
| Seoni . . . . .              | —0'23    | —0'69     | —0'46  | —1'00  | —0'21 | +1'22 | +0'87 | +0'57   | —0'15      | +0'49    | —0'32     | —0'19     | —0'01 |
| Jubbulpore . . . . .         | +0'23    | —1'15     | —0'14  | —1'59  | —1'32 | —0'29 | +0'37 | —0'13   | —1'54      | +2'65    | —0'27     | +1'26     | —0'16 |
| Saugor . . . . .             | +1'31    | +0'01     | +1'24  | —0'64  | —0'26 | +1'20 | +2'37 | +1'18   | —0'54      | +3'96    | +0'04     | +1'48     | +0'95 |
| Pachmarhi . . . . .          | +0'63    | —0'99     | +0'53  | —0'99  | +0'81 | +0'27 | +1'14 | +1'21   | —1'26      | +3'43    | —0'16     | +1'29     | +0'49 |
| Hoshangabad . . . . .        | +0'85    | —0'16     | —0'51  | —2'08  | —1'99 | —0'61 | —0'12 | +0'55   | —1'20      | +2'97    | +0'14     | +2'02     | —0'01 |
| Khandwa . . . . .            | +1'08    | +0'30     | +0'39  | —0'66  | +0'98 | +0'71 | +0'01 | +0'11   | —0'96      | +3'18    | +0'24     | +1'38     | +0'56 |
| Chanda . . . . .             | +1'08    | —0'63     | —0'60  | —1'67  | —0'17 | +0'16 | —0'19 | —0'13   | —1'97      | +2'03    | —0'29     | +0'27     | —0'18 |
| Sironcha . . . . .           | +1'20    | —0'49     | +0'76  | —0'70  | +1'01 | +1'05 | +0'92 | +0'81   | —0'68      | +2'45    | +0'22     | ?         | ?     |
| Chikalda . . . . .           | +1'42    | —0'30     | +0'08  | —1'05  | +1'32 | +0'67 | +0'53 | —0'19   | —2'26      | +3'02    | +0'25     | +1'81     | +0'44 |
| Buldana . . . . .            | +1'18    | —0'04     | —0'67  | —0'94  | +0'88 | +0'38 | —0'45 | +0'51   | —1'50      | +1'73    | —0'73     | +0'97     | +0'11 |
| Akola . . . . .              | +0'68    | —0'62     | —0'43  | —0'19  | +1'81 | +0'44 | +0'12 | +0'63   | —0'91      | +3'48    | +0'21     | +1'52     | +0'56 |



TABLE XXVI.—Comparison of the mean cloud proportion in each month of 1886 with the average of Table XXV—continued.

| STATIONS.              | January. | February. | March. | April. | May.  | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------------|----------|-----------|--------|--------|-------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Amraoti . . . . .      | +1'41    | —0'19     | —0'07  | —1'29  | +0'11 | —0'33 | —0'29 | +0'36   | —1'23      | +2'38    | —0'16     | +1'04     | +0'15 |
| Makhla . . . . .       | +2'69    | +1'87     | +1'51  | 0      | +1'62 | +0'42 | +0'20 | +0'33   | —1'08      | +3'02    | +0'04     | +2'11     | +1'06 |
| Neemuch . . . . .      | +1'06    | —0'90     | —0'59  | —0'93  | +0'45 | +0'92 | +1'10 | +0'63   | —1'81      | +2'04    | —0'13     | +1'61     | +0'30 |
| Nowgong . . . . .      | +2'37    | +0'91     | +2'66  | —1'20  | —0'01 | +1'26 | +0'80 | +0'85   | —0'20      | +3'60    | +0'25     | +1'72     | +1'08 |
| Sutna . . . . .        | —0'35    | —0'93     | +0'25  | —1'51  | —0'98 | —1'28 | +0'06 | —0'26   | —1'17      | +2'21    | —0'48     | +0'19     | —0'35 |
| Indore . . . . .       | —0'26    | —0'58     | —0'39  | —0'75  | +0'61 | +0'56 | +0'92 | +0'58   | —1'52      | +2'21    | —0'10     | +0'87     | +0'18 |
| Bickaneer . . . . .    | +0'83    | —0'72     | —0'42  | —1'03  | —0'86 | —0'28 | +0'24 | —0'81   | —2'72      | —0'26    | +0'08     | —0'18     | —0'51 |
| Jeypore . . . . .      | +0'56    | —0'31     | +0'42  | —0'93  | —0'28 | +0'68 | —0'12 | +0'07   | —1'85      | +0'60    | —0'03     | +0'62     | —0'05 |
| Sambhar . . . . .      | +0'66    | +0'28     | +1'24  | —0'25  | +0'14 | +0'43 | +0'64 | +0'23   | —1'63      | +0'31    | +0'06     | +0'23     | +0'20 |
| Ajmere . . . . .       | —0'06    | —0'41     | —0'06  | —1'08  | —0'56 | —0'98 | —0'69 | —0'90   | —2'07      | +0'41    | —0'40     | +0'45     | —0'53 |
| Mount Abu . . . . .    | +0'23    | —1'04     | —0'30  | —1'98  | —0'29 | —1'03 | +0'54 | +0'74   | —2'19      | —0'39    | —0'13     | —0'06     | —0'49 |
| Pachpadra . . . . .    | +0'38    | —0'24     | +0'97  | —0'36  | +0'54 | +0'45 | +1'14 | +1'06   | —0'47      | +0'56    | +0'38     | +0'69     | +0'43 |
| Jacobabad . . . . .    | +1'02    | +0'31     | +0'31  | —1'60  | —0'38 | —0'79 | —0'07 | —1'31   | —0'50      | +0'04    | +0'31     | —0'23     | —0'24 |
| Hyderabad . . . . .    | —0'86    | —1'12     | —0'33  | —0'93  | —0'22 | —0'84 | +0'38 | —0'47   | —0'48      | +0'31    | +0'68     | —0'02     | —0'33 |
| Kurrachee . . . . .    | +0'29    | —0'24     | —0'28  | —1'94  | —0'63 | —0'82 | +0'19 | +0'39   | —0'36      | +0'35    | —0'12     | —0'89     | —0'34 |
| Bhuj . . . . .         | +0'97    | —0'31     | +0'44  | —0'64  | —0'45 | +0'13 | +1'26 | +1'40   | —0'61      | +0'14    | +0'24     | +0'45     | +0'25 |
| Rajkot . . . . .       | +0'80    | P         | P      | P      | +0'60 | —1'28 | P     | P       | P          | —0'76    | +0'61     | —0'37     | P     |
| Deesa . . . . .        | +0'93    | +0'21     | +0'18  | —1'18  | +0'39 | +0'86 | +1'47 | +1'47   | —0'90      | +0'96    | +0'45     | +0'90     | +0'48 |
| Surat . . . . .        | +1'62    | +1'30     | +0'90  | —0'52  | +2'32 | +1'73 | +0'76 | +1'66   | —0'31      | +2'41    | +1'27     | +1'09     | +1'19 |
| Malegaon . . . . .     | +2'08    | +1'15     | —0'40  | —0'41  | +1'15 | +2'33 | +1'21 | +2'11   | +0'30      | +3'81    | +0'12     | +2'08     | +1'29 |
| Bombay . . . . .       | +1'65    | +0'40     | —0'79  | —1'28  | +0'53 | —0'40 | —0'57 | —0'58   | —1'23      | +1'36    | +0'54     | +0'57     | +0'02 |
| Poona . . . . .        | +1'23    | —0'08     | —0'87  | —0'60  | +0'58 | —0'79 | —0'24 | —0'66   | —1'58      | +0'90    | +0'24     | +1'12     | —0'06 |
| Sholapur . . . . .     | +0'71    | —0'46     | —0'05  | —0'47  | +0'40 | +0'39 | —0'05 | —0'04   | —1'11      | +1'84    | +0'95     | +0'87     | +0'25 |
| Ratnagiri . . . . .    | +1'00    | —0'40     | —0'44  | —0'19  | +1'83 | +0'13 | —0'01 | —0'17   | —2'01      | +0'35    | +0'18     | —0'04     | +0'02 |
| Belgaum . . . . .      | +0'56    | —0'86     | —0'77  | —0'81  | +0'39 | +0'77 | +0'34 | +0'23   | —0'99      | +1'38    | —0'52     | —0'15     | —0'01 |
| Karwar . . . . .       | +0'50    | —0'31     | —0'66  | —0'04  | +0'83 | +0'31 | +1'37 | +0'81   | —0'93      | +0'70    | —1'28     | +0'48     | +0'15 |
| Gopalpur . . . . .     | —0'14    | —0'83     | +0'94  | +0'02  | +0'50 | —0'73 | +0'35 | —0'32   | —0'24      | +1'50    | +1'10     | +0'17     | +0'19 |
| Vizagapatam . . . . .  | +0'10    | —0'79     | +0'21  | —0'34  | +0'65 | +0'88 | —0'61 | —0'17   | —0'12      | +1'01    | —0'21     | +0'09     | +0'11 |
| Rajahmundry . . . . .  | P        | P         | P      | P      | P     | +0'91 | +0'76 | +1'11   | —0'02      | +1'36    | +0'10     | —0'41     | P     |
| Masulipatam . . . . .  | P        | P         | P      | P      | P     | +0'83 | +1'00 | +1'33   | —0'05      | +1'68    | —0'60     | —0'91     | P     |
| Secunderabad . . . . . | +0'86    | —0'49     | +0'85  | +0'19  | +1'99 | +2'34 | +1'60 | +1'06   | +0'22      | +2'52    | +0'14     | +0'69     | +1'00 |
| Kurnool . . . . .      | P        | P         | P      | P      | P     | P     | P     | P       | P          | P        | +1'21     | +1'21     | P     |
| Bellary . . . . .      | —0'06    | —1'15     | —1'40  | —1'42  | +0'31 | —0'15 | —0'25 | +0'40   | —0'74      | +0'38    | —0'66     | +0'42     | —0'36 |

TABLE XXVI.—Comparison of the mean cloud proportion in each month of 1886 with the average of Table XXV—concluded.

| STATIONS.            | January. | February. | March. | April. | May.  | June. | July. | August. | September. | October. | November. | December. | Year. |
|----------------------|----------|-----------|--------|--------|-------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Mangalore . . .      | +0.05    | -0.85     | -0.68  | -0.17  | +0.92 | +0.51 | +1.46 | +1.36   | +0.66      | +0.35    | -1.08     | +0.19     | +0.23 |
| Mercara . . .        | +0.64    | -0.81     | +0.19  | +0.25  | +0.54 | -0.46 | -0.29 | -0.17   | -1.04      | -0.23    | -2.00     | +0.31     | -0.26 |
| Bangalore . . .      | -0.19    | -0.67     | -0.36  | -0.90  | -0.26 | -0.12 | +1.57 | +1.28   | +0.40      | +0.60    | -0.49     | +0.36     | +0.10 |
| Cuddapah . . .       | p        | p         | p      | +1.08  | +1.26 | +0.92 | +0.64 | +0.81   | +0.16      | +0.54    | -0.49     | -0.84     | p     |
| Madras . . .         | +0.03    | -0.08     | +0.31  | -0.69  | +0.78 | -0.97 | -0.46 | +0.18   | -1.42      | +0.59    | -1.19     | -0.17     | -0.26 |
| Salem . . .          | -0.43    | -0.29     | -0.51  | -1.37  | -0.76 | -2.54 | -2.06 | -1.30   | -1.50      | -1.88    | -1.69     | -0.55     | -1.24 |
| Wellington . . .     | +0.25    | -0.99     | -0.12  | -0.46  | +0.95 | -0.37 | +0.84 | +0.13   | -0.73      | -1.00    | -1.79     | -0.45     | -0.31 |
| Coimbatore . . .     | +0.35    | +0.12     | +0.24  | -0.11  | +1.05 | -0.85 | +0.06 | +0.20   | -0.11      | -0.82    | -0.53     | +0.58     | +0.02 |
| Trichinopoly . . .   | +0.76    | +0.42     | +0.44  | -0.02  | +1.24 | -0.39 | +0.70 | +0.43   | -0.99      | -1.33    | -1.28     | +0.51     | +0.04 |
| Negapatam . . .      | +1.32    | +0.38     | +0.81  | +1.64  | +2.17 | +0.69 | +0.96 | +0.92   | -0.14      | +0.39    | +0.15     | +0.49     | +0.82 |
| Madura . . .         | -2.29    | -2.77     | -2.73  | -3.09  | -1.10 | -0.50 | +0.38 | -0.54   | -1.29      | -0.86    | -1.17     | -0.80     | -1.40 |
| Cochin . . .         | -0.68    | -1.43     | -0.85  | -0.24  | +1.30 | +0.42 | +1.23 | +1.11   | +0.55      | -0.22    | -0.53     | -0.46     | +0.02 |
| Colombo . . .        | +0.58    | -1.85     | -1.94  | +0.47  | +1.27 | -0.33 | -0.59 | -0.32   | -0.08      | +0.09    | +0.35     | +0.45     | -0.16 |
| Jaffna . . .         | +1.54    | +0.27     | +0.39  | +0.24  | +1.37 | -0.04 | +1.57 | +1.01   | -0.11      | -0.42    | +1.07     | +1.94     | +0.74 |
| Trincomalee . . .    | +0.46    | -0.18     | -0.45  | +0.45  | +1.52 | -0.72 | -0.49 | +0.05   | -0.58      | -1.13    | +0.32     | -0.08     | -0.07 |
| Batticaloa . . .     | +1.97    | +2.65     | +3.19  | +3.01  | +3.36 | +0.40 | +0.24 | +0.19   | +0.22      | +0.22    | +0.23     | +0.29     | +1.33 |
| Hambantota . . .     | +0.11    | -1.49     | -0.61  | +0.17  | -0.35 | -1.40 | -0.45 | -0.09   | -0.32      | +0.11    | +0.88     | -0.24     | -0.31 |
| Galle . . .          | -0.02    | -1.05     | -0.99  | -0.13  | -1.56 | -1.57 | -0.24 | -1.21   | -1.01      | -1.14    | -0.25     | -0.05     | -0.77 |
| Kandy . . .          | -0.09    | -0.20     | -1.02  | -1.49  | +0.55 | -0.18 | p     | +0.51   | +0.46      | +0.32    | +0.31     | -0.12     | p     |
| Newera Eliya . . .   | -1.14    | -0.78     | -1.00  | -0.55  | +0.25 | -1.70 | -1.02 | -0.18   | +0.33      | +0.76    | +0.19     | -0.14     | -0.42 |
| Akyab . . .          | +0.51    | -0.39     | +0.20  | -0.84  | +0.07 | +0.27 | -0.62 | -1.03   | -0.73      | -0.71    | +0.61     | -0.80     | -0.29 |
| Thayetmyo . . .      | +1.47    | +0.90     | +0.59  | -0.95  | +1.99 | +2.20 | +1.80 | +2.28   | +0.89      | +0.05    | +1.17     | -0.44     | +1.00 |
| Toungoo . . .        | +1.45    | +0.96     | +0.01  | -0.02  | +1.87 | +0.52 | +0.60 | +0.76   | -0.04      | +0.59    | +2.10     | +0.11     | +0.74 |
| Bassein . . .        | +0.82    | +1.15     | +0.53  | -1.66  | +1.16 | +0.23 | +0.31 | +0.58   | +0.26      | +0.08    | +1.59     | +0.40     | +0.45 |
| Diamond Island . . . | +0.21    | +0.58     | -0.22  | -0.53  | p     | +0.54 | +0.48 | +0.47   | +0.17      | -0.85    | +0.67     | -0.77     | p     |
| Rangoon . . .        | +0.16    | +0.17     | -0.60  | -2.36  | +0.42 | -0.99 | -0.92 | -0.88   | -0.97      | -0.85    | +1.45     | -0.15     | -0.46 |
| Moulmein . . .       | -0.45    | +0.13     | -0.35  | -1.70  | -0.54 | -0.84 | -0.80 | -1.89   | -1.82      | -1.00    | -0.01     | -0.95     | -0.85 |
| Mergui . . .         | -0.45    | +1.51     | +0.62  | -0.70  | +0.31 | -0.03 | -0.37 | -0.51   | -0.32      | +0.12    | +0.62     | -0.35     | +0.04 |
| Port Blair . . .     | -0.13    | -0.67     | -0.52  | -0.58  | +0.75 | +1.10 | +0.75 | +0.66   | +0.38      | +0.85    | +1.59     | +0.18     | +0.36 |
| Nancowry . . .       | +0.42    | +0.18     | +0.43  | +0.69  | +0.67 | -0.05 | +0.19 | -1.17   | -0.96      | -1.20    | +0.61     | -0.77     | -0.08 |

TABLE XXVII.—*Geographical summary of the differences of Table XXVI.*

| PROVINCES.                                   | Stations. | January. | February. | March. | April. | May.  | June. | July. | August. | September. | October. | November. | December. | Year. |
|----------------------------------------------|-----------|----------|-----------|--------|--------|-------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| North-Western Himalaya.                      | 7—8       | +1.23    | +0.30     | +1.26  | —0.71  | —0.08 | —0.25 | +0.40 | +0.19   | —1.59      | +0.02    | —0.39     | +0.35     | +0.06 |
| Sikkim Himalaya, and Nepal.                  | 2         | +0.48    | +0.30     | —0.25  | +0.08  | +0.51 | —0.24 | +0.11 | +0.31   | —0.26      | +0.67    | —0.29     | +0.38     | +0.15 |
| Punjab plains .                              | 9         | +1.64    | +0.26     | +1.21  | —0.38  | —0.01 | +0.29 | +0.51 | —0.45   | —1.03      | +0.12    | —0.16     | +0.41     | +0.20 |
| Gangetic plains .                            | 13        | +0.22    | —0.54     | +0.96  | —1.08  | +0.04 | —0.49 | +0.06 | +0.04   | —0.39      | +1.29    | —0.06     | +0.64     | +0.06 |
| Western Rajputana, Sind, Cutch, and Guzerat. | 8—9       | +0.51    | —0.39     | +0.07  | —1.21  | —0.14 | —0.40 | +0.64 | +0.31   | —1.03      | +0.11    | +0.28     | +0.03     | —0.10 |
| Eastern Rajputana and Central India.         | 9         | +0.62    | —0.28     | +0.60  | —0.84  | —0.08 | +0.47 | +0.71 | +0.29   | —1.34      | +1.93    | —0.11     | +0.93     | +0.24 |
| Nerbudda Valley .                            | 3         | +0.72    | —0.34     | —0.09  | —1.44  | —0.78 | —0.06 | +0.09 | +0.18   | —1.23      | +2.93    | +0.04     | +1.55     | +0.13 |
| South Behar and Chutia Nagpur.               | 2         | +0.53    | —0.49     | +0.93  | —1.53  | +1.50 | +0.06 | +0.17 | +0.13   | +0.63      | +2.78    | +1.05     | +0.83     | +0.55 |
| Lower Bengal .                               | 6         | +0.60    | —0.94     | +0.65  | —1.04  | +0.16 | +0.01 | +0.20 | +0.33   | +0.75      | +0.68    | +0.29     | +0.11     | +0.15 |
| Assam and Cachar                             | 3—4       | +0.59    | —0.50     | +0.17  | —0.30  | —0.58 | —0.67 | +0.20 | +0.24   | +0.57      | +0.23    | —1.05     | +0.29     | —0.07 |
| Orissa and Sambalpur.                        | 4         | +0.82    | —0.59     | +0.85  | —0.54  | +1.06 | +1.28 | +0.97 | +0.88   | +1.25      | +2.33    | +1.21     | +0.59     | +0.84 |
| Central Provinces South and Berar            | 10—11     | +1.21    | —0.07     | +0.15  | —0.88  | +0.63 | +0.61 | +0.40 | +0.53   | —1.00      | +2.57    | +0.10     | +1.15     | +0.45 |
| Konkan .                                     | 4         | +1.19    | +0.25     | —0.25  | —0.51  | +1.38 | +0.44 | +0.39 | +0.43   | —1.12      | +1.21    | +0.18     | +0.53     | +0.34 |
| Malabar Coast .                              | 2         | —0.32    | —1.14     | —0.77  | —0.21  | +1.11 | +0.47 | +1.35 | +1.24   | +0.61      | +0.07    | —0.81     | —0.14     | +0.12 |
| Deccan, Hyderabad and Mysore                 | 8—9       | +0.73    | —0.42     | —0.35  | —0.52  | +0.64 | +0.54 | +0.49 | +0.53   | —0.57      | +1.40    | —0.11     | +0.80     | +0.26 |
| East Coast and Carnatic.                     | 7—10      | —0.02    | —0.43     | —0.18  | —0.36  | +0.66 | —0.10 | +0.20 | +0.30   | —0.55      | +0.07    | —0.69     | —0.20     | —0.11 |
| Ceylon .                                     | 7         | +0.65    | —0.26     | —0.20  | +0.39  | +0.88 | —0.55 | +0.01 | +0.02   | —0.20      | —0.28    | +0.42     | +0.31     | +0.10 |
| Arakan and Pegu .                            | 7—8       | +0.82    | +0.32     | +0.39  | —0.75  | +1.02 | +0.65 | +0.55 | +0.80   | +0.39      | +0.08    | +1.07     | —0.32     | +0.42 |
| Tenasserim .                                 | 2         | —0.45    | +0.82     | +0.14  | —1.20  | —0.12 | —0.44 | —0.59 | —1.20   | —1.07      | —0.44    | +0.32     | —0.65     | —0.41 |
| Bay Islands .                                | 2         | +0.15    | —0.25     | —0.05  | +0.06  | +0.71 | +0.53 | +0.47 | —0.26   | —0.29      | —0.18    | +1.10     | —0.30     | +0.14 |

*January.*—January was an unusually cloudy month. The cloud amount was in excess in all districts, except the Malabar and Carnatic coasts and Tenasserim. The excess was greatest in the Punjab, the North-West Himalayas and the Central Provinces. In these districts the average amount of sky covered with cloud was from 30 to 75 per cent., about the normal amount. The variations in the cloud amount were similar to those of the humidity, which was above the average in all parts of India, except Sind and East Bengal. The excess was most marked in the north of the Punjab. As cloud formation usually occurs at a very considerable elevation in the cold-weather months generally much greater than during the rainy season, the increased cloud in the higher strata and the excessive humidity of the lower strata appear to indicate that there was a larger amount of moisture than usual throughout the whole of the lower as well as the higher strata. The upper cloud, I believe, to be formed almost entirely in the upper or south-west return current of the north-east monsoon, which is a humid current as contrasted with the lower one. The rainfall due to disturbances in this current is small, compared with that which occurs during the rains, and is heaviest in the higher hills, and, so far as can be judged, increases in amount as the elevation increases up to heights of at least 15,000 or 20,000 feet in the Himalayas, in which respect it is opposed to the rainfall of the summer monsoon.

*February.*—The skies were much less clouded in this month than in January, and the cloud amount was below the average, except in the Himalayan area and the Punjab, and also in Arakan, Pegu and Tenasserim. The deficiency was most marked on the Malabar coast, and in Bengal, Orissa and the Gangetic plains.

*March.*—The variations in the amount of cloud resembled those of January rather than February. The cloud amount was, on the whole, in excess to a moderate degree. The excess was most marked in the North-West Himalayas and the Punjab, and to a slightly less extent in the North-Western Provinces, Behar, Chutia Nagpur and Orissa. There was less cloud than usual on the Malabar coast and in Ceylon, the Deccan, and the Carnatic, but the deficiency was small, except on the Malabar coast, where skies were unusually free from cloud.

*April.*—April was characterised throughout by dry hot weather, and the skies were unusually free from cloud over the whole of India throughout the month. The deficiency in the cloud amount was proportionately largest in Behar, the North-Western Provinces, West Rajputana, the Nerbudda valley, Lower Bengal, and also in Tenasserim. At many stations the average cloud amount for the whole month was almost *nil*. There was a very slight excess in the Sikkim Himalayas. The deficiency in the cloud amount was small in Assam generally. It decreased in amount southwards from North and North-Western India, and in Ceylon and the Bay Islands there was a very slight excess. The deficiency was almost as large and marked in Pegu and Arakan as it was in Northern India.

*May.*—A hot and dry April is generally followed by increased strength in the sea-winds, more especially in the districts at the head of the Bay, and by frequent slight atmospheric disturbance and thunderstorms. This was the case in May 1886. The mean cloud amount of the whole country was hence above the normal amount, and to an even greater extent than in March. The greatest excess of cloud amount was in Arakan and Pegu, Orissa, Behar, Chutia Nagpur and to a less extent in Bengal, the Sikkim Himalayas and the Central Provinces. The south-west monsoon humid current was felt in Ceylon and Southern India, and at the entrance to the Bay slightly earlier than usual, and caused the average cloud amount of the month to be considerably in excess in Ceylon, the Bay Islands, the Malabar coast and the Konkan and to a less extent in the Deccan and the Carnatic Coast districts. There was a slight deficiency of cloud in the Punjab and Rajputana and the North-West Himalayas.

*June.*—The cloud amount was generally in excess in Southern India and below it in Northern India, but the variations in opposite directions almost compensated each other and the average cloud amount for the whole country was normal. There was less cloud than usual in the Himalayan area. In the Punjab the local variations were very large and irregular, but, on the whole, there was a slight excess. There was less cloud than usual in the North-Western Provinces, except at Jhansi, where there was a large excess. The cloud amount was unusually large in Orissa and to a slightly less extent in the greater part of the Central Provinces, and more especially those districts bordering on Behar. The cloud amount was generally normal or slightly in excess in Bengal and Behar, but there was a marked deficiency in Assam (greatest at Sibsagar). It was also generally in excess in the Deccan, Konkan, and Southern India. Ceylon and the Madura, Trichinopoly and Coimbatore districts, and probably the Tinnevely districts had considerably less cloud than usual. The deficiency was very marked at Galle and Newera Eliya. There was a moderate excess of cloud in the Bay Islands and in Pegu, but there was much

local irregularity, the cloud amount being considerably in excess at the great majority of stations in the northern districts and in defect to a less extent in the southern. Skies in Sind, Guzerat and Western Rajputana were almost free from cloud during the whole month, but there was a moderate excess of cloud in the south-eastern districts of Rajputana and in Bundelkand, more especially at Nowgong.

*July.*—There was a larger influx of aqueous vapour and cloud brought up by the south-west monsoon than usual, and the cloud amount was above the average in all districts except Tenasserim. The excess was largest in the Malabar coast districts, Arakan, Pegu, Orissa, Rajputana and the Punjab. In the Gangetic plains the variations were local and irregular, but there was on the whole a slight excess. There was slightly less cloud than usual in some parts of Behar, Assam (except in Cachar), and probably North Bengal, but a moderate excess in South and East Bengal. Over the whole of Southern India and in Ceylon and the Bay Islands there was, almost without exception, somewhat more cloud than usual.

*August.*—The general conditions of this month were very similar to those of the preceding month, and the cloud proportion was above the average in all districts except Tenasserim and the Punjab. The general excess was not quite so large as in the month of July. The excess was greatest on the Malabar coast, Arakan and Pegu, Orissa and Sambalpur, or in the same districts as in the preceding month and therefore probably due to the same conditions and actions. The cloud proportion was slightly larger in Bengal and Assam, Behar, Chutia Nagpur, and in the Central Provinces. The increase was most marked in Eastern Bengal and Orissa. The variations were very large and somewhat irregular in Burma: there was much more cloud than usual at Thayetmyo and a large deficiency at Moulmein. The general character of the variations in Pegu were hence almost identical with those of the previous month. In Upper India the variations were large, and they differed very considerably at adjacent stations in the North-Western Provinces. The amount of cloud was in defect at all the plain stations in the Punjab except Delhi and Ludhiana. There was more cloud than usual at the hill stations. The deficiency in the Punjab was one of the first symptoms of the earlier retreat of the south-west monsoon current than usual.

*September.*—The rains ceased earlier than usual in Northern and Central India. The cloud proportion was hence very considerably below the average, more especially in the North-West Himalayas, the Punjab, and Rajputana, and to a less extent in the North-Western Provinces. The change was due chiefly to the weakness of the Bombay current, for the cloud amount in the Konkan, Rajputana, and the Central Provinces was almost as largely and universally in defect as it was in Upper India. At many stations in Upper and North-Western India the average cloud amount of the month was barely half the normal value. The Bengal current continued to bring up much vapour and cloud, and the cloud proportion was considerably in excess in Arakan, Bengal, Assam, Orissa, Sambalpur, Behar, and Chutia Nagpur. The excess was universal in these districts, but was most strongly marked in Orissa, Sambalpur, Chutia Nagpur, and South Behar. There was also a very general deficiency in the cloud amount over the whole of Southern India except the Malabar coast to which the retreating south-west monsoon current gave more cloud and rain than usual.

*October.*—The weather was very abnormal during this month. A succession of small whirls formed near the head of the Bay and passed either into Behar, the Central Provinces

or the Deccan. They brought up much more cloud than usual across the north and north-west coasts of the Bay, which extended over the greater part of India. The rainfall, except in some parts of Bengal, was also generally above the average. The excess in the cloud amount was most marked in Orissa, the Central Provinces, Chutia Nagpur and Behar, and the eastern districts of the North-Western Provinces, in each of which districts it was from 50 to 100 per cent. above its normal amount. There was also a considerable excess in Bengal and the Deccan. In the Punjab, West Rajputana and Sind, the amount of cloud was very small but slightly above the average. In Southern India, although there were largish local variations, the amount on the whole was slightly above the average. It was in defect in Ceylon.

*November.*—This like the preceding month was unusually disturbed, but the atmospheric perturbations were unlike those of October, and consisted of two extensive cyclonic storms which formed in the Bay and advanced west-north-west. The first of the two crossed the Deccan into the Arabian Sea and the other broke up in the Deccan shortly after it reached land near Cocanada. These storms increased the cloud amount over the greater part of the area which they influenced and affected, or in South Behar, Chutia Nagpur, Bengal, Orissa, the Central Provinces, Arakan, Pegu and the Bay Islands. The increase was largest in Sambalpur, Arakan, Pegu and the Bay Islands. There was less cloud than usual in Southern India due to the fact that, during the slow growth of the cyclonic storms, north-east monsoon humid winds were suspended in Southern India, and replaced by dry north-westerly or westerly winds, and the excessive cloud during the passage of the storms did not compensate for the previous deficiency. The defect was most marked on the coast of the Carnatic and the most southern districts of Madras and was small in the Deccan. There was also a large local deficiency in Assam where the weather was unusually bright and clear. Skies were also on the average slightly less clouded than usual in Upper India. The deficiency was most marked at Leh and Kailang in Thibet and at Sibsagar in the eastern districts of Assam.

*December.*—This month was more cloudy than usual over the whole of Northern and Central India. The excess was greatest in the Central Provinces, the Nerbudda Valley, Eastern Rajputana, the Deccan and the North-Western Provinces. The cloud amount was slightly in defect in Ceylon, Arakan, the Carnatic, the Malabar coast districts, the Bay Islands and Tenasserim.

The year 1886 was like its predecessor more cloudy than usual. On the mean of all stations the cloud amount was in excess in nine out of twelve months and also for the whole year. The excess was largest in the months of January and October and to a less extent in December. There was a considerable deficiency in April, due to unusually pronounced hot-weather conditions, and in September, due to the early retreat of the monsoon current from Northern, North-Western and Central India.

|                          | January. | February. | March. | April. | May.  | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------------|----------|-----------|--------|--------|-------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Number of Stations . . . | 122      | 121       | 121    | 121    | 121   | 124   | 123   | 124     | 124        | 126      | 127       | 126       | 121   |
| Mean anomaly . . .       | +0.69    | -0.23     | +0.36  | -0.68  | +0.36 | +0.08 | +0.38 | +0.26   | -0.49      | +0.86    | +0.04     | +0.40     | +0.17 |

The annual or total variations of the cloud amount differed very considerably in different parts of India. The cloudiest provinces were Orissa, Sambalpur, South Behar, and Chutia Nagpur, over which there was a stronger determination of the Bengal current and much heavier rainfall than usual. There was a moderate excess of cloud amount in the Punjab, East Rajputana and Central India, the Central Provinces, the Konkan, Arakan and Pegu. In Bengal and the North-Western Provinces and also on the Malabar coast the cloud proportion was very slightly in excess. In Western Rajputana, Assam, and on the coast of the Carnatic there was a slight deficiency of cloud. In Tenasserim alone was the cloud amount considerably below the normal.

### RAINFALL.

In the present report, the rainfall of India and its dependencies is represented by 500 stations (14 more than were given in the report for 1885); and for 18 of these, two or more independent registers are given. The rainfall registers of the extra-Indian stations, Aden, Bushire, and Singapore, are also given. The monthly and annual totals of these 518 registers are shewn in Table XIV, in the Appendix, classified under their respective administrative divisions, according to the following scheme:—

| PROVINCES.                        | Stations. | Registers. |
|-----------------------------------|-----------|------------|
| Arabia . . . . .                  | 1         | 1          |
| Persia . . . . .                  | 1         | 1          |
| Lakhadives . . . . .              | 1         | 1          |
| Beluchistan . . . . .             | 3         | 3          |
| Kashmir . . . . .                 | 1         | 1          |
| Punjab . . . . .                  | 37        | 44         |
| Rajputana . . . . .               | 40        | 41         |
| Central India States . . . . .    | 18        | 19         |
| North-Western Provinces . . . . . | 46        | 47         |
| Oudh . . . . .                    | 12        | 12         |
| Nepal . . . . .                   | 1         | 1          |
| Bengal . . . . .                  | 83        | 85         |
| Assam . . . . .                   | 15        | 15         |
| Central Provinces . . . . .       | 27        | 27         |
| Berars . . . . .                  | 9         | 9          |
| Hyderabad . . . . .               | 23        | 26         |
| Bombay . . . . .                  | 54        | 54         |

| PROVINCES.                 | Stations. | Registers. |
|----------------------------|-----------|------------|
| Madras . . . . .           | 75        | 78         |
| Mysore and Coorg . . . . . | 9         | 9          |
| Ceylon . . . . .           | 12        | 12         |
| Burma . . . . .            | 28        | 28         |
| Bay Islands . . . . .      | 3         | 3          |
| Singapore . . . . .        | 1         | 1          |

The stations, the registers of which are now given for the first time, are, Khetre in Rajputana, Mandalay, Shweybo, Yeu, Minbu, Pyinmana (Ningyan), Pagan, Kyanksai, Bhamo, Kendat, Toundwingyee, Ye Methin, Fort Sagaing, and Mingin, all in Upper-Burma, and Cocos Island between Cape Negrais and the Andamans.

Nearly all the above new stations are situated in those parts of the country that were either unrepresented, or but insufficiently represented, in previous reports.

The map, Plate I, shews the positions of all the stations in India and its dependencies, the registers of which are given in Table XIV (Appendix). The rain-gauges in use in Bengal, Bombay, Madras, the Central Provinces and Berar generally, and at the meteorological observatories in the North-Western Provinces, the Punjab, Burma, and other provinces, are either those of Symon's pattern, 5 inches in diameter, or Glashier's, 8 inches in diameter, and furnished with graduated measure-glasses, into which the collected rain-water is poured. The gauges are placed on the ground, the mouth, in general, about one foot above the ground level. At the rain-gauge stations in the Punjab and North-Western Provinces, (not being observatories), other forms of gauge are used; generally Fleming's float-gauges, the mouth of which stands 3 feet above the ground, and the registers of which must, generally, be regarded as less exact.

At the majority of the stations, as far as is known, the rainfall is measured at 6 P.M. Many stations in Rajputana, Hyderabad, Madras and Burma are exceptions to this rule, and, at most of these, it appears to be the practice to measure the rainfall at some morning hour, frequently at 6 A.M., and in Madras, at noon. It is much to be desired that this practice should be discontinued.

Table XV (Appendix) gives the number of days on which the rainfall has been measured at 500 stations. From this table, it appears that the wettest station was Newera Eliya where rain fell on not less than 219 days, and next thereto Galle with rain on 217 days, and Colombo, in Ceylon, with 195 rainy days, follow. As in the previous year, the least rainy station was Shikarpur in Sind, with rainfall on 11 days, giving a total of 3.52 inches. Sehwan, in Sind, had only 12 rainy days, but the rain was heavier, amounting to 4.95 inches, and Mozuffargarh in the Punjab had also only 12 rainy days, during which 4.9 inches fell; while Leh, with 33 rainy days, had only 2.36 inches. The rainfall of Cherra Poonjee<sup>1</sup> was 462 inches; and next in order come Mahableshwar, with 263 inches, Baura fort, on the Western ghats, with 261 inches, and Baxa

<sup>1</sup> According to the earlier registers, the average rainfall of this station greatly exceeded that to be deduced from the registers since 1862, and more especially from those since 1870. This is probably to be accounted for by the fact that the rain-gauge has occupied at least four different positions in the station, and, as might be anticipated, when regard is had to the very peculiar topography of the place, different parts of the little plateau are very unequally exposed to the rain-bearing current.



in the Bhootan Dooars, with 238 inches. Quantities exceeding 200 inches were also registered at Matheran on the Western ghats (215 inches), and Tavoy in Tenassarim (215 inches). The smallest local rainfalls of the year were 0·58 inch at Aden, 2·41 inches at Jacobabad, and 2·64 inches at Rohri.

The following Table, XXVIII, gives the average rainfall, as deduced from the registers of past years, at 479 stations (including two stations at Alipore, Calcutta, and two in Bombay) :—

| Provinces.                         | Stations. | Provinces.                         | Stations. |
|------------------------------------|-----------|------------------------------------|-----------|
| Arabia .. . . .                    | 1         | Assam . . . . .                    | 15        |
| Persia . . . . .                   | 1         | Central Provinces . . . . .        | 27        |
| Lakhadives . . . . .               | 1         | Berar . . . . .                    | 9         |
| Beluchistan . . . . .              | 2         | Hyderabad . . . . .                | 22        |
| Kashmir . . . . .                  | 1         | Bombay, Guzerat and Sind . . . . . | 54        |
| Punjab . . . . .                   | 37        | Madras . . . . .                   | 75        |
| Rajputana . . . . .                | 35        | Mysore and Coorg . . . . .         | 9         |
| Central India States . . . . .     | 18        | Ceylon . . . . .                   | 12        |
| North-Western Provinces . . . . .  | 46        | Burma . . . . .                    | 15        |
| Oudh . . . . .                     | 12        | Bay Islands . . . . .              | 2         |
| Nepal . . . . .                    | 1         | Singapore . . . . .                | 1         |
| Bengal, Behar and Orissa . . . . . | 83        |                                    |           |

and Table XXIX gives the differences in the rainfall of each month of 1886, as compared with the averages of Table XXVIII :—

TABLE XXVIII.—Average monthly and annual rainfall of 479 stations in India, Ceylon, &c.

| PROVINCES.    | STATIONS.            | Number of years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|---------------|----------------------|------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| ARABIA . .    | Aden . . . . .       | 5—6              | 0'38     | 0'35      | 0'68   | 0'26   | 0'19 | ...   | 0'02  | 0'09    | 0'08       | ...      | 0'11      | 0'35      | 2'51   |
| PERSIA . .    | Bushire . . . . .    | 9—10             | 3'36     | 3'78      | 0'83   | 0'86   | ...  | ...   | ...   | ...     | ...        | ...      | 1'64      | 3'84      | 14'31  |
| LAKHADIVES .  | Amini Divi . . . . . | 3—5              | 0'03     | 0'30      | 0'03   | ?      | 2'21 | 12'03 | 12'79 | 12'50   | 8'77       | 10'68    | 3'04      | 1'73      | ?      |
| BELUCHISTAN . | Kelat . . . . .      | 5—8              | 1'51     | 1'89      | 2'59   | 0'71   | 0'31 | 0'06  | 0'42  | 0'54    | 0'01       | 0'09     | 0'30      | 0'35      | 8'78   |
|               | Quetta . . . . .     | 9                | 1'57     | 1'85      | 2'39   | 1'30   | 0'51 | 0'12  | 0'76  | 0'57    | 0'23       | 0'10     | 0'04      | 0'38      | 9'82   |
| KASHMIR . .   | Leh . . . . .        | 11               | 0'23     | 0'23      | 0'19   | 0'09   | 0'10 | 0'20  | 0'46  | 0'40    | 0'13       | 0'42     | 0'03      | 0'08      | 2'56   |
|               | Abbottabad . . . . . | 27—28            | 3'22     | 3'77      | 4'39   | 3'41   | 3'19 | 2'92  | 8'30  | 8'94    | 3'28       | 1'07     | 0'96      | 2'18      | 45'63  |
|               | Murree . . . . .     | 12               | 2'78     | 3'40      | 3'70   | 4'27   | 3'80 | 2'43  | 10'98 | 14'01   | 6'09       | 2'18     | 1'72      | 1'22      | 56'58  |
|               | Chamba . . . . .     | 3                | ?        | ?         | ?      | ?      | ?    | ?     | ?     | ?       | 1'13       | 0'32     | 0'49      | 3'10      | ?      |
| PUNJAB . .    | Dharmasala . . . . . | 27—28            | 4'42     | 4'58      | 4'16   | 2'11   | 3'03 | 10'48 | 39'85 | 38'34   | 12'70      | 1'61     | 0'35      | 2'47      | 124'10 |
|               | Kailang . . . . .    | 3—4              | 4'87     | 3'07      | 3'32   | 3'34   | 1'72 | 1'20  | 0'95  | 0'87    | 0'66       | 0'40     | 0'66      | 0'60      | 21'66  |
|               | Kilba . . . . .      | 4—5              | 10'05    | 6'09      | 6'99   | 5'99   | 5'30 | 2'66  | 5'24  | 4'12    | 5'38       | 1'22     | 3'76      | 1'96      | 58'76  |
|               | Simla . . . . .      | 24—25            | 2'84     | 2'71      | 3'02   | 2'82   | 4'67 | 7'87  | 19'30 | 18'12   | 6'02       | 1'37     | 0'33      | 1'06      | 70'13  |
|               | Peshawar . . . . .   | 28—29            | 1'63     | 1'23      | 1'83   | 1'95   | 0'70 | 0'33  | 1'72  | 2'00    | 0'81       | 0'24     | 0'59      | 0'58      | 3'61   |

TABLE XXVIII.—Average monthly and annual rainfall of 479 stations in India, Ceylon, &amp;c.—continued.

| PROVINCES     | STATIONS.          | Number of years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|---------------|--------------------|------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| PUNJAB—contd. | Kohat . . .        | 26—28            | 1'43     | 1'28      | 1'99   | 1'71   | 1'44 | 1'05  | 4'17  | 2'88    | 1'68       | 0'61     | 0'75      | 0'53      | 19'52  |
|               | Bannu . . .        | 24—25            | 0'87     | 0'91      | 1'48   | 1'37   | 0'80 | 1'02  | 2'04  | 2'97    | 0'79       | 0'18     | 0'25      | 0'35      | 13'03  |
|               | Dera Ismail Khan . | 24—25            | 0'45     | 0'68      | 0'85   | 0'75   | 0'42 | 0'61  | 1'85  | 1'61    | 0'55       | 0'13     | 0'12      | 0'32      | 8'34   |
|               | Dera Ghazi Khan .  | 24—25            | 0'43     | 0'33      | 0'71   | 0'34   | 0'52 | 0'51  | 2'10  | 1'26    | 0'43       | 0'06     | 0'12      | 0'27      | 7'08   |
|               | Muzaffargarh .     | 26—27            | 0'32     | 0'25      | 0'42   | 0'38   | 0'41 | 0'37  | 1'29  | 1'46    | 0'64       | 0'08     | 0'08      | 0'27      | 5'97   |
|               | Mooltan . . .      | 25               | 0'39     | 0'27      | 0'51   | 0'34   | 0'48 | 0'39  | 2'22  | 1'26    | 0'78       | 0'11     | 0'07      | 0'25      | 7'07   |
|               | Jhang . . .        | 24—25            | 0'48     | 0'41      | 0'83   | 0'44   | 0'51 | 1'01  | 3'77  | 1'90    | 0'72       | 0'19     | 0'05      | 0'34      | 10'65  |
|               | Montgomery .       | 26—27            | 0'46     | 0'62      | 0'52   | 0'26   | 0'49 | 1'19  | 3'30  | 2'09    | 1'00       | 0'18     | 0'06      | 0'24      | 10'41  |
|               | Shahpur . . .      | 32—33            | 0'83     | 1'06      | 0'94   | 0'64   | 0'69 | 1'13  | 3'79  | 3'23    | 1'78       | 0'16     | 0'23      | 0'38      | 14'86  |
|               | Rawalpindi . .     | 28—29            | 2'41     | 1'97      | 1'92   | 2'34   | 1'60 | 1'67  | 7'39  | 7'29    | 3'22       | 0'56     | 0'85      | 1'15      | 32'37  |
|               | Jhelum . . .       | 25—26            | 1'62     | 1'21      | 1'66   | 1'08   | 0'83 | 1'96  | 6'99  | 5'43    | 2'36       | 0'58     | 0'34      | 0'82      | 24'88  |
|               | Gujrat . . .       | 24—25            | 1'83     | 1'54      | 2'31   | 1'27   | 0'72 | 2'46  | 8'07  | 6'88    | 2'79       | 0'57     | 0'32      | 0'70      | 29'46  |
|               | Sialkot . . .      | 28—29            | 1'41     | 1'78      | 1'86   | 1'63   | 1'18 | 3'19  | 11'58 | 9'13    | 3'24       | 0'60     | 0'36      | 0'84      | 36'80  |
|               | Gujranwala . .     | 25               | 1'22     | 1'36      | 1'30   | 0'86   | 0'78 | 1'88  | 8'12  | 5'87    | 2'50       | 0'58     | 0'26      | 0'60      | 25'33  |
|               | Gurdaspur . .      | 29—30            | 1'70     | 1'69      | 1'66   | 0'54   | 0'85 | 3'85  | 9'90  | 7'10    | 3'62       | 0'59     | 0'18      | 1'09      | 32'77  |
|               | Dhariwal . . .     | 3                | ?        | ?         | ?      | ?      | ?    | ?     | ?     | 10'74   | 2'73       | 0'37     | ...       | 1'67      | ?      |
|               | Lahore . . .       | 27—29            | 0'69     | 1'12      | 1'06   | 0'59   | 0'95 | 1'78  | 7'38  | 4'58    | 2'39       | 0'57     | 0'15      | 0'48      | 21'74  |
|               | Amritsar . . .     | 26—27            | 1'12     | 1'12      | 0'89   | 0'63   | 0'93 | 2'39  | 8'52  | 6'21    | 2'83       | 0'52     | 0'24      | 0'69      | 25'09  |
|               | Ferozepore . .     | 36—37            | 1'10     | 0'79      | 0'76   | 0'58   | 0'65 | 2'38  | 6'84  | 5'12    | 2'52       | 0'61     | 0'06      | 0'50      | 21'91  |
|               | Jullundur . . .    | 34—35            | 1'41     | 1'26      | 1'29   | 0'64   | 0'82 | 2'42  | 8'44  | 7'12    | 3'51       | 0'50     | 0'09      | 0'64      | 28'14  |
|               | Hoshiarpur . .     | 28—30            | 1'62     | 1'61      | 1'52   | 0'66   | 1'01 | 3'28  | 10'18 | 9'14    | 4'26       | 0'43     | 0'07      | 1'21      | 34'99  |
|               | Ludhiana . . .     | 28—31            | 1'35     | 1'21      | 1'62   | 0'92   | 1'22 | 2'32  | 9'74  | 6'54    | 4'33       | 1'20     | 0'11      | 0'88      | 31'44  |
|               | Umballa . . .      | 35—37            | 1'41     | 1'46      | 1'07   | 0'62   | 1'03 | 4'03  | 11'58 | 8'60    | 4'13       | 0'57     | 0'22      | 0'67      | 35'39  |
|               | Sirsa . . .        | 35—36            | 0'73     | 0'31      | 0'50   | 0'41   | 0'65 | 2'27  | 3'67  | 3'55    | 2'02       | 0'29     | 0'03      | 0'34      | 14'77  |
|               | Hissar . . .       | 35—36            | 0'64     | 0'43      | 0'60   | 0'26   | 0'68 | 2'01  | 4'66  | 4'01    | 1'85       | 0'32     | 0'06      | 0'46      | 15'98  |
|               | Rohtak . . .       | 33—35            | 0'77     | 0'55      | 0'62   | 0'27   | 0'68 | 2'97  | 5'89  | 5'07    | 2'88       | 0'44     | 0'03      | 0'48      | 20'65  |
|               | Delhi . . .        | 36—38            | 0'96     | 0'51      | 0'74   | 0'37   | 0'69 | 3'37  | 8'56  | 6'95    | 4'52       | 0'51     | 0'07      | 0'36      | 27'55  |
|               | Gurgaon . . .      | 35—36            | 0'89     | 0'30      | 0'54   | 0'16   | 0'73 | 2'87  | 8'88  | 6'81    | 4'62       | 0'44     | 0'02      | 0'30      | 26'56  |
|               | Karnal . . .       | 30—31            | 1'26     | 1'22      | 0'94   | 0'48   | 1'06 | 4'38  | 9'60  | 6'42    | 3'67       | 0'41     | 0'08      | 0'42      | 29'94  |
|               | Jeysulmere . .     | 4                | 0'26     | 0'05      | 0'02   | 0'05   | 0'43 | 0'30  | 2'99  | 1'86    | 0'98       | ...      | ...       | ...       | 7'54   |
|               | Phalodi . . .      | 3                | ?        | ?         | ?      | ?      | ?    | 1'17  | 3'18  | 3'08    | 1'33       | ...      | ...       | ...       | ?      |
|               | Bhatki . . .       | 3                | ?        | ?         | ?      | ?      | ?    | ?     | ?     | 3'32    | 1'99       | 0'03     | ...       | ...       | ?      |
|               | Bickaneer . . .    | 9                | 0'27     | 0'24      | 0'07   | 0'20   | 1'58 | 1'80  | 3'94  | 2'74    | 1'49       | 0'08     | 0'08      | 0'02      | 12'51  |
|               | Nagar . . .        | 3                | 0'20     | 0'02      | 0'02   | 0'07   | 0'44 | 3'38  | 3'47  | 3'35    | 4'83       | 0'20     | ...       | ...       | 15'98  |
| RAJPUTANA     | Didwana . . .      | 3                | ?        | ?         | ?      | ?      | ?    | 1'77  | 6'36  | 3'59    | 3'53       | 0'07     | 0'13      | 0'12      | ?      |
|               | Jhunjhnu . . .     | 4                | 0'57     | ...       | 0'20   | 0'06   | 0'87 | 4'32  | 8'41  | 3'88    | 3'26       | ...      | ...       | 0'15      | 21'72  |
|               | Ulwar . . .        | 15               | 0'30     | 0'38      | 0'21   | 0'09   | 1'28 | 3'77  | 9'07  | 7'95    | 5'40       | 1'02     | 0'14      | 0'46      | 30'07  |
|               | Bhurtpore . . .    | 19               | 0'37     | 0'19      | 0'18   | 0'13   | 0'69 | 1'94  | 8'83  | 7'92    | 4'36       | 0'52     | 0'02      | 0'25      | 25'40  |
|               | Jeypore . . .      | 18—20            | 0'27     | 0'16      | 0'18   | 0'20   | 0'66 | 3'29  | 9'01  | 6'12    | 3'15       | 0'24     | 0'08      | 0'41      | 23'77  |
|               | Sambhar . . .      | 11—12            | 0'19     | 0'10      | 0'18   | 0'13   | 1'15 | 1'69  | 7'07  | 5'56    | 4'08       | 0'52     | 0'18      | 0'40      | 21'25  |
|               | Kerowlee . . .     | 7                | 0'35     | 0'02      | 0'08   | 0'06   | 0'68 | 3'56  | 10'11 | 7'40    | 5'45       | 0'21     | ...       | 0'28      | 28'20  |

TABLE XXVIII.—Average monthly and annual rainfall of 479 stations in India, Ceylon, &c.—  
continued.

| PROVINCES.                  | STATIONS.         | Number of years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|-----------------------------|-------------------|------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| RAJPUTANA—<br><i>contd.</i> | Lalsot . . .      | 4                | 0'12     | 0'07      | ...    | ...    | 0'09 | 3'25  | 8'96  | 9'54    | 3'57       | 0'04     | ...       | 0'20      | 25'84  |
|                             | Tonk . . .        | 15               | 0'09     | 0'22      | 0'15   | 0'08   | 0'45 | 2'74  | 9'40  | 9'17    | 3'05       | 0'79     | 0'01      | 0'20      | 26'35  |
|                             | Deoli . . .       | 25               | 0'25     | 0'16      | 0'14   | 0'17   | 1'10 | 4'34  | 11'19 | 10'37   | 4'97       | 0'50     | 0'12      | 0'18      | 33'49  |
|                             | Kotah . . .       | 15               | 0'15     | 0'25      | 0'07   | 0'02   | 1'11 | 3'57  | 9'85  | 8'92    | 5'16       | 0'50     | 0'03      | 0'29      | 29'92  |
|                             | Jhalrapatan . .   | 16               | 0'20     | 0'38      | 0'13   | 0'02   | 0'63 | 4'75  | 16'25 | 8'79    | 6'07       | 0'68     | 0'10      | 0'42      | 38'47  |
|                             | Ajmere . . .      | 24               | 0'21     | 0'30      | 0'38   | 0'09   | 0'72 | 2'48  | 6'93  | 7'30    | 3'43       | 0'32     | 0'12      | 0'27      | 22'55  |
|                             | Nusseerabad . .   | 21               | 0'10     | 0'44      | 0'10   | 0'03   | 0'67 | 1'73  | 7'19  | 5'87    | 3'20       | 0'27     | 0'12      | 0'28      | 20'00  |
|                             | Malpura . . .     | 4                | 0'05     | ...       | ...    | ...    | 0'45 | 1'13  | 6'05  | 6'77    | 2'43       | 0'07     | ...       | 0'13      | 17'08  |
|                             | Beawar . . .      | 30—31            | 0'22     | 0'12      | 0'15   | 0'10   | 0'42 | 2'12  | 7'58  | 5'99    | 2'98       | 0'22     | 0'15      | 0'20      | 20'25  |
|                             | Jodhpore . . .    | 13               | 0'27     | 0'22      | 0'04   | 0'05   | 0'64 | 1'31  | 3'56  | 5'16    | 2'31       | 0'22     | 0'04      | 0'08      | 13'90  |
|                             | Pachpadra . . .   | 6—8              | 0'42     | 0'03      | 0'10   | ...    | 0'85 | 0'90  | 3'33  | 3'61    | 2'37       | 0'06     | 0'01      | 0'05      | 11'73  |
|                             | Jasol . . .       | 3                | 0'07     | ...       | 0'21   | ...    | 0'18 | 3'00  | 4'63  | 3'73    | 1'90       | 0'05     | ...       | ...       | 13'77  |
|                             | Barmer . . .      | 3—4              | 0'11     | 0'01      | 0'13   | 0'03   | 0'07 | 1'55  | 3'70  | 2'04    | 1'84       | ...      | 0'01      | ...       | 9'49   |
|                             | Pali . . .        | 3                | 0'18     | ...       | ...    | ...    | 0'39 | 3'43  | 4'01  | 5'50    | 1'98       | 0'23     | ...       | ...       | 15'72  |
|                             | Shahpoora . . .   | 14               | 0'08     | 0'20      | 0'16   | 0'05   | 1'04 | 3'10  | 6'43  | 7'16    | 4'79       | 0'60     | 0'05      | 0'20      | 23'86  |
|                             | Erinpura . . .    | 19               | 0'08     | 0'26      | 0'10   | 0'03   | 0'46 | 1'36  | 5'74  | 4'57    | 2'94       | 0'44     | 0'08      | 0'13      | 16'19  |
|                             | Sirohee . . .     | 3                | 0'12     | ...       | ...    | ...    | 0'80 | 3'66  | 9'17  | 7'54    | 3'86       | ...      | ...       | ...       | 25'15  |
|                             | Mount Abu . . .   | 27               | 0'22     | 0'35      | 0'14   | 0'04   | 1'04 | 5'11  | 22'18 | 22'54   | 9'06       | 2'06     | 0'17      | 0'22      | 63'13  |
|                             | Kotra . . .       | 17               | 0'05     | 0'21      | 0'02   | 0'02   | 0'68 | 3'15  | 12'28 | 9'63    | 6'03       | 0'76     | 0'09      | 0'10      | 33'02  |
|                             | Oodeypore . . .   | 12—13            | 0'01     | 0'17      | 0'04   | 0'04   | 0'57 | 2'55  | 8'79  | 7'50    | 6'56       | 0'62     | ...       | 0'04      | 26'89  |
|                             | Partabgarh . . .  | 6—7              | 0'22     | 0'07      | 0'03   | ...    | 0'51 | 4'94  | 10'53 | 11'11   | 6'73       | 1'42     | ...       | 0'13      | 35'69  |
|                             | Kherwara . . .    | 29—30            | 0'08     | 0'17      | 0'03   | 0'03   | 0'42 | 4'02  | 8'82  | 8'03    | 4'79       | 0'66     | 0'04      | 0'07      | 27'16  |
|                             | Banswara . . .    | 13—14            | 0'47     | 0'15      | ...    | ...    | 0'32 | 4'70  | 12'36 | 11'37   | 9'91       | 1'10     | ...       | 0'40      | 40'78  |
|                             | Neemuch . . .     | 19—20            | 0'10     | 0'15      | 0'11   | 0'08   | 0'54 | 3'89  | 11'24 | 10'44   | 5'53       | 0'96     | 0'03      | 0'24      | 33'31  |
|                             | Sirdarpore . . .  | 19               | 0'21     | 0'24      | 0'01   | 0'01   | 0'20 | 5'50  | 10'12 | 6'38    | 7'97       | 1'07     | 0'10      | 0'15      | 31'96  |
|                             | Agar . . .        | 18—19            | 0'19     | 0'32      | 0'04   | 0'07   | 0'59 | 4'61  | 11'38 | 9'56    | 7'55       | 0'61     | 0'06      | 0'47      | 35'45  |
|                             | Rutlam . . .      | 19               | 0'20     | 0'23      | ...    | 0'01   | 0'49 | 5'80  | 11'80 | 10'84   | 8'88       | 1'15     | 0'01      | 0'12      | 39'53  |
|                             | Indore . . .      | 19               | 0'36     | 0'26      | 0'02   | 0'13   | 0'61 | 6'81  | 10'35 | 7'75    | 8'07       | 1'17     | 0'15      | 0'20      | 35'88  |
|                             | Bhopal (Sehore) . | 19               | 0'55     | 0'14      | 0'06   | 0'03   | 0'31 | 6'56  | 18'41 | 11'89   | 9'22       | 1'42     | 0'25      | 0'61      | 49'45  |
| CENTRAL INDIA               | Goona . . .       | 16               | 0'35     | 0'18      | 0'16   | 0'08   | 0'56 | 6'72  | 11'89 | 11'81   | 5'59       | 0'69     | 0'30      | 0'14      | 38'47  |
|                             | Morar . . .       | 15               | 0'29     | 0'29      | 0'23   | 0'11   | 0'53 | 3'06  | 10'26 | 10'27   | 5'35       | 0'64     | 0'02      | 0'36      | 31'41  |
|                             | Nowgong . . .     | 18—19            | 0'53     | 0'26      | 0'21   | 0'09   | 0'36 | 5'16  | 15'32 | 12'63   | 6'50       | 1'10     | 0'09      | 0'53      | 42'78  |
|                             | Sutna . . .       | 15               | 0'71     | 0'54      | 0'28   | 0'06   | 0'38 | 5'79  | 15'45 | 11'37   | 5'07       | 1'94     | 0'18      | 0'45      | 42'22  |
|                             | Nagode . . .      | 24               | 0'73     | 0'36      | 0'26   | 0'19   | 0'45 | 4'95  | 16'52 | 12'51   | 6'90       | 2'23     | 0'13      | 0'48      | 45'71  |
|                             | Maihar . . .      | 8—9              | 0'45     | 0'29      | 0'23   | 0'05   | 0'47 | 6'53  | 15'35 | 10'52   | 4'72       | 2'06     | 0'52      | 0'83      | 42'02  |
|                             | Rewah . . .       | 15               | 0'69     | 0'86      | 0'21   | 0'31   | 0'52 | 9'66  | 18'45 | 15'24   | 6'89       | 2'05     | 0'23      | 0'42      | 55'53  |
|                             | Chandia . . .     | 5—6              | 0'49     | 0'13      | 0'31   | 0'03   | 0'62 | 9'01  | 18'92 | 15'08   | 4'89       | 2'99     | 0'30      | 0'83      | 53'60  |
|                             | Ramnagar . . .    | 5—6              | 0'52     | 0'11      | 0'09   | 0'01   | 0'24 | 9'97  | 14'45 | 13'83   | 5'51       | 2'10     | 0'18      | 0'98      | 47'99  |
|                             | Sihawal (Bardi) . | 5—6              | 0'74     | 0'02      | 1'02   | 0'04   | 0'43 | 5'91  | 11'41 | 14'58   | 7'32       | 2'47     | 0'37      | 1'00      | 45'31  |
|                             | Sitlaha . . .     | 5                | 0'39     | 0'15      | 0'18   | 0'02   | 0'61 | 7'17  | 14'23 | 12'63   | 5'95       | 3'23     | 0'34      | 1'08      | 45'98  |
|                             | Sohagpur . . .    | 4—5              | 0'93     | 0'35      | 0'69   | 0'15   | 0'31 | 7'89  | 18'38 | 9'94    | 6'83       | 1'58     | 1'23      | 1'07      | 49'35  |

TABLE XXVIII.—Average monthly and annual rainfall of 479 stations in India, Cylon, &c.—  
continued.

| PROVINCES.       | STATIONS.           | Number of years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|------------------|---------------------|------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| N. W. PROVINCES. | Chakrata . . .      | 18               | 2'32     | 2'68      | 3'16   | 1'68   | 2'94 | 7'48  | 17'24 | 15'74   | 5'60       | 0'74     | 0'24      | 1'05      | 60'87  |
|                  | Mussooree . . .     | 22—34            | 2'31     | 2'86      | 2'91   | 1'69   | 2'77 | 9'62  | 30'23 | 30'17   | 9'93       | 1'00     | 0'25      | 1'09      | 94'83  |
|                  | Srinagar . . .      | 23               | 2'31     | 2'95      | 2'29   | 0'89   | 2'31 | 4'58  | 8'60  | 8'64    | 3'28       | 0'50     | 0'19      | 0'75      | 37'29  |
|                  | Pauri . . .         | 36—37            | 2'59     | 2'72      | 2'34   | 1'22   | 2'65 | 5'48  | 13'68 | 12'70   | 4'83       | 0'64     | 0'27      | 0'71      | 49'83  |
|                  | Ranikhet . . .      | 16               | 1'90     | 2'01      | 2'23   | 1'27   | 2'97 | 6'04  | 12'70 | 11'60   | 6'02       | 1'06     | 0'27      | 1'00      | 49'07  |
|                  | Almora . . .        | 41—43            | 1'91     | 1'88      | 1'79   | 0'98   | 2'29 | 5'91  | 9'69  | 8'13    | 4'66       | 0'96     | 0'19      | 0'63      | 39'02  |
|                  | Pithoragarh . . .   | 23               | 1'83     | 2'38      | 2'11   | 1'39   | 3'34 | 7'27  | 12'71 | 11'02   | 4'83       | 1'32     | 0'05      | 0'79      | 49'04  |
|                  | Naini Tal . . .     | 36—37            | 2'96     | 2'75      | 2'49   | 1'56   | 2'98 | 14'85 | 25'04 | 25'03   | 10'82      | 1'79     | 0'19      | 1'31      | 91'77  |
|                  | Dehra Dun . . .     | 37—39            | 2'19     | 1'88      | 1'36   | 0'68   | 1'56 | 8'59  | 25'02 | 24'79   | 9'26       | 0'82     | 0'14      | 0'58      | 76'87  |
|                  | Saharanpur . . .    | 37—39            | 1'45     | 1'36      | 1'12   | 0'38   | 0'83 | 4'58  | 12'11 | 9'69    | 4'00       | 0'49     | 0'17      | 0'69      | 36'87  |
|                  | Roorkee . . .       | 32—33            | 2'03     | 1'44      | 1'02   | 0'35   | 1'17 | 5'14  | 12'49 | 12'31   | 5'06       | 0'63     | 0'18      | 0'39      | 42'21  |
|                  | Muzaffarnagar . . . | 37—39            | 1'34     | 0'92      | 0'96   | 0'40   | 0'94 | 3'82  | 10'36 | 7'95    | 4'57       | 0'40     | 0'09      | 0'31      | 32'06  |
|                  | Bijnor . . .        | 37—39            | 1'23     | 1'06      | 0'93   | 0'46   | 0'75 | 4'86  | 10'67 | 9'67    | 5'80       | 0'51     | 0'07      | 0'33      | 36'34  |
|                  | Meerut . . .        | 37—39            | 0'97     | 0'73      | 0'73   | 0'40   | 0'82 | 3'57  | 9'24  | 7'18    | 3'99       | 0'47     | 0'05      | 0'33      | 28'48  |
|                  | Moradabad . . .     | 37—39            | 1'15     | 1'00      | 0'77   | 0'34   | 0'98 | 5'33  | 13'77 | 9'94    | 5'91       | 0'77     | 0'11      | 0'41      | 40'48  |
|                  | Rudarpur . . .      | 27               | 1'18     | 1'15      | 0'94   | 0'25   | 1'16 | 6'02  | 15'04 | 12'02   | 5'35       | 0'81     | 0'05      | 0'53      | 44'50  |
|                  | Pilibhit . . .      | 23               | 0'95     | 1'16      | 0'94   | 0'27   | 1'09 | 6'12  | 16'19 | 12'54   | 8'93       | 1'25     | ...       | 0'58      | 50'02  |
|                  | Bulandshahr . . .   | 36—38            | 0'80     | 0'81      | 0'51   | 0'25   | 0'60 | 3'04  | 8'55  | 7'01    | 4'10       | 0'54     | 0'05      | 0'43      | 26'69  |
|                  | Bareilly . . .      | 37—39            | 0'96     | 0'75      | 0'70   | 0'26   | 0'89 | 5'97  | 14'51 | 9'31    | 6'74       | 1'30     | 0'07      | 0'31      | 41'77  |
|                  | Budaun . . .        | 37—39            | 0'86     | 0'52      | 0'50   | 0'12   | 0'50 | 3'77  | 10'86 | 8'62    | 6'01       | 0'84     | 0'05      | 0'31      | 32'96  |
|                  | Shahjahanpur . . .  | 37—39            | 0'81     | 0'64      | 0'59   | 0'18   | 1'08 | 5'52  | 12'22 | 9'24    | 6'97       | 1'26     | 0'09      | 0'29      | 38'89  |
|                  | Aligarh . . .       | 38—40            | 0'71     | 0'46      | 0'42   | 0'19   | 0'52 | 3'35  | 9'31  | 6'99    | 4'45       | 0'54     | 0'02      | 0'28      | 27'24  |
|                  | Muttra . . .        | 37—39            | 0'46     | 0'31      | 0'24   | 0'19   | 0'54 | 2'82  | 9'43  | 6'64    | 4'20       | 0'41     | 0'02      | 0'26      | 25'52  |
|                  | Agra . . .          | 38—40            | 0'53     | 0'28      | 0'23   | 0'16   | 0'72 | 2'86  | 9'80  | 6'67    | 4'32       | 0'42     | 0'02      | 0'24      | 26'25  |
|                  | Etah . . .          | 26—27            | 0'42     | 0'20      | 0'57   | 0'10   | 0'51 | 2'87  | 9'53  | 8'67    | 4'43       | 0'85     | 0'01      | 0'24      | 28'40  |
|                  | Mainpuri . . .      | 37—39            | 0'71     | 0'28      | 0'28   | 0'12   | 0'46 | 3'11  | 9'26  | 8'06    | 5'63       | 0'76     | 0'05      | 0'36      | 29'08  |
|                  | Farrukhabad . . .   | 37—39            | 0'65     | 0'28      | 0'39   | 0'09   | 0'58 | 3'72  | 9'75  | 8'19    | 5'41       | 1'09     | 0'05      | 0'30      | 30'50  |
|                  | Etawah . . .        | 37—39            | 0'47     | 0'19      | 0'40   | 0'14   | 0'47 | 2'66  | 8'63  | 8'31    | 4'72       | 1'06     | 0'08      | 0'27      | 27'40  |
|                  | Cawnpore . . .      | 37—39            | 0'68     | 0'43      | 0'24   | 0'14   | 0'48 | 3'46  | 9'70  | 8'84    | 4'82       | 1'22     | 0'06      | 0'23      | 30'30  |
|                  | Fatehpur . . .      | 36—39            | 0'63     | 0'37      | 0'27   | 0'16   | 0'36 | 3'60  | 9'77  | 8'80    | 5'35       | 1'28     | 0'09      | 0'30      | 30'98  |
|                  | Jalaun (Orai) . . . | 25—26            | 0'38     | 0'18      | 0'18   | 0'06   | 0'27 | 2'89  | 10'69 | 10'72   | 5'52       | 0'73     | 0'02      | 0'25      | 31'89  |
|                  | Hamirpur . . .      | 37—39            | 0'48     | 0'30      | 0'20   | 0'10   | 0'33 | 4'26  | 11'52 | 8'72    | 5'21       | 0'92     | 0'13      | 0'34      | 32'51  |
|                  | Banda . . .         | 37—39            | 0'73     | 0'30      | 0'28   | 0'11   | 0'36 | 4'07  | 11'97 | 9'35    | 5'96       | 1'29     | 0'21      | 0'28      | 34'91  |
|                  | Allahabad . . .     | 37—39            | 0'75     | 0'41      | 0'44   | 0'15   | 0'34 | 4'58  | 11'90 | 9'60    | 6'73       | 2'27     | 0'22      | 0'24      | 37'63  |
|                  | Basti . . .         | 20—21            | 0'69     | 0'43      | 0'25   | 0'20   | 1'26 | 6'45  | 13'72 | 11'14   | 8'46       | 2'39     | 0'01      | 0'15      | 45'15  |
|                  | Gorakhpur . . .     | 37—39            | 0'69     | 0'54      | 0'40   | 0'30   | 1'51 | 7'68  | 13'31 | 11'84   | 8'83       | 3'01     | 0'16      | 0'14      | 48'41  |
|                  | Azamgarh . . .      | 37—39            | 0'54     | 0'44      | 0'34   | 0'16   | 0'93 | 5'28  | 11'29 | 10'42   | 7'75       | 2'43     | 0'09      | 0'15      | 39'82  |
|                  | Jaunpur . . .       | 34—36            | 0'68     | 0'38      | 0'33   | 0'15   | 0'87 | 4'95  | 11'69 | 11'51   | 8'05       | 3'00     | 0'14      | 0'14      | 41'89  |
|                  | Benares . . .       | 37—39            | 0'72     | 0'49      | 0'37   | 0'15   | 0'54 | 4'96  | 12'84 | 10'70   | 6'47       | 2'09     | 0'14      | 0'15      | 39'62  |
|                  | Mirzapur . . .      | 37—39            | 0'72     | 0'64      | 0'61   | 0'14   | 0'57 | 4'60  | 12'76 | 11'68   | 6'89       | 2'10     | 0'26      | 0'19      | 41'16  |
|                  | Ghazipur . . .      | 37—39            | 0'71     | 0'54      | 0'31   | 0'13   | 0'75 | 4'38  | 10'88 | 9'38    | 7'14       | 2'76     | 0'29      | 0'14      | 37'41  |

TABLE XXVIII.—Average monthly and annual rainfall of 479 stations in India, Ceylon, &amp;c.—continued.

| PROVINCES.             | STATIONS.                   | Number of years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|------------------------|-----------------------------|------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| N.-W. PROVINCES—contd. | Ballia . . .                | 23               | 0'51     | 0'50      | 0'21   | 0'33   | 0'84 | 5'32  | 11'40 | 9'98    | 8'07       | 3'77     | 0'17      | 0'15      | 41'25  |
|                        | Dudhi . . .                 | 13               | 0'36     | 0'55      | 0'60   | 0'21   | 0'93 | 5'07  | 10'74 | 12'85   | 6'44       | 3'31     | 0'33      | 0'31      | 41'70  |
|                        | Robertsganj . . .           | 23               | 0'69     | 0'49      | 0'40   | 0'23   | 0'88 | 5'33  | 12'99 | 10'86   | 7'65       | 2'60     | 0'22      | 0'27      | 42'61  |
|                        | Jhansi . . .                | 26—27            | 0'52     | 0'19      | 0'39   | 0'13   | 0'26 | 4'04  | 13'59 | 10'48   | 5'16       | 0'77     | 0'02      | 0'22      | 35'77  |
|                        | Lalitpur . . .              | 26—27            | 0'54     | 0'21      | 0'29   | 0'15   | 0'62 | 4'74  | 13'55 | 11'72   | 6'07       | 1'02     | 0'08      | 0'35      | 39'34  |
| ODDH                   | Kheri . . .                 | 19—20            | 1'11     | 0'73      | 0'62   | 0'23   | 1'15 | 6'44  | 11'43 | 10'75   | 7'87       | 1'74     | ...       | 0'50      | 42'57  |
|                        | Sitapur . . .               | 19—20            | 0'83     | 0'38      | 0'55   | 0'26   | 1'14 | 5'42  | 11'64 | 10'11   | 5'90       | 1'64     | 0'03      | 0'44      | 38'34  |
|                        | Bahraich . . .              | 19—20            | 0'81     | 0'82      | 0'41   | 0'31   | 1'64 | 5'95  | 14'68 | 9'41    | 7'57       | 1'80     | 0'04      | 0'50      | 43'94  |
|                        | Gonda . . .                 | 19               | 0'73     | 0'42      | 0'30   | 0'08   | 1'24 | 6'39  | 11'95 | 10'99   | 8'56       | 1'37     | 0'04      | 0'35      | 42'42  |
|                        | Hardoi . . .                | 19—20            | 0'65     | 0'27      | 0'73   | 0'18   | 0'51 | 4'16  | 11'75 | 9'06    | 6'04       | 1'57     | ...       | 0'44      | 35'36  |
|                        | Nawabganj (Bara Banki). . . | 19—20            | 0'92     | 0'26      | 0'40   | 0'23   | 0'93 | 5'23  | 10'40 | 8'81    | 8'94       | 1'00     | ...       | 0'61      | 37'73  |
|                        | Lucknow . . .               | 19—20            | 0'84     | 0'25      | 0'28   | 0'13   | 0'90 | 4'97  | 10'81 | 10'37   | 7'12       | 1'36     | 0'01      | 0'52      | 37'56  |
|                        | Unao . . .                  | 19—20            | 0'69     | 0'31      | 0'28   | 0'14   | 0'59 | 4'96  | 10'17 | 9'95    | 5'36       | 1'60     | 0'01      | 0'41      | 34'47  |
|                        | Fyzabad . . .               | 19—20            | 0'80     | 0'34      | 0'45   | 0'22   | 1'16 | 5'56  | 12'52 | 10'36   | 7'89       | 1'72     | 0'03      | 0'26      | 41'31  |
|                        | Sultanpur . . .             | 19—20            | 0'65     | 0'29      | 0'22   | 0'28   | 0'79 | 5'96  | 12'29 | 10'36   | 8'36       | 1'87     | 0'03      | 0'27      | 41'37  |
| NEPAL                  | Rae Bareli . . .            | 19—20            | 0'54     | 0'23      | 0'23   | 0'12   | 0'38 | 4'44  | 10'18 | 8'92    | 7'57       | 1'18     | 0'02      | 0'28      | 34'09  |
|                        | Partabgarh . . .            | 19—20            | 0'72     | 0'35      | 0'28   | 0'06   | 0'55 | 4'86  | 10'40 | 9'84    | 7'45       | 1'88     | 0'60      | 0'31      | 37'30  |
|                        | Katmandu . . .              | 31—36            | 0'72     | 1'09      | 1'22   | 2'07   | 3'94 | 9'95  | 13'78 | 14'28   | 7'26       | 2'13     | 0'19      | 0'29      | 56'92  |
|                        | Motiharee . . .             | 27—29            | 0'44     | 0'30      | 0'54   | 0'58   | 2'42 | 8'00  | 11'07 | 12'42   | 8'55       | 3'55     | 0'08      | 0'16      | 48'11  |
|                        | Durbhunga . . .             | 16               | 0'45     | 0'48      | 0'25   | 0'57   | 2'28 | 7'62  | 11'95 | 11'18   | 9'88       | 2'97     | 0'06      | 0'19      | 47'88  |
|                        | Sewan . . .                 | 16—17            | 0'70     | 0'54      | 0'24   | 0'26   | 1'78 | 6'82  | 12'06 | 10'77   | 8'80       | 3'90     | 0'11      | 0'16      | 46'14  |
|                        | Buxar . . .                 | 18—19            | 0'72     | 0'35      | 0'27   | 0'15   | 0'73 | 4'94  | 11'25 | 10'02   | 7'34       | 3'25     | 0'15      | 0'23      | 39'40  |
|                        | Chupra . . .                | 31—34            | 0'66     | 0'46      | 0'39   | 0'38   | 1'26 | 6'32  | 10'72 | 9'34    | 7'40       | 2'96     | 0'30      | 0'10      | 40'29  |
|                        | Arrah . . .                 | 28—31            | 0'81     | 0'57      | 0'49   | 0'54   | 1'27 | 6'71  | 12'62 | 10'25   | 8'52       | 2'93     | 0'21      | 0'15      | 45'07  |
|                        | Patna (Bankipur) . . .      | 34—35            | 0'65     | 0'48      | 0'33   | 0'27   | 1'55 | 7'06  | 11'03 | 10'10   | 7'95       | 2'90     | 0'21      | 0'17      | 42'70  |
| BENGAL                 | Mozufferpore . . .          | 28—31            | 0'77     | 0'50      | 0'44   | 0'48   | 2'34 | 6'70  | 10'93 | 10'32   | 8'49       | 3'01     | 0'08      | 0'08      | 44'14  |
|                        | Barh . . .                  | 16—17            | 0'41     | 0'48      | 0'31   | 0'12   | 2'08 | 5'15  | 12'49 | 9'58    | 7'72       | 3'19     | 0'22      | 0'14      | 41'89  |
|                        | Sasseram . . .              | 16—17            | 0'43     | 0'54      | 0'29   | 0'12   | 0'96 | 5'31  | 11'83 | 11'70   | 7'12       | 3'63     | 0'23      | 0'31      | 42'47  |
|                        | Gya . . .                   | 25—27            | 0'67     | 0'53      | 0'43   | 0'33   | 1'18 | 6'22  | 11'93 | 9'93    | 7'04       | 2'47     | 0'22      | 0'20      | 41'15  |
|                        | Jamooee . . .               | 15—17            | 0'59     | 0'67      | 0'34   | 0'50   | 1'98 | 6'57  | 12'40 | 11'46   | 7'50       | 2'65     | 0'09      | 0'09      | 44'84  |
|                        | Muddehpooora . . .          | 16—17            | 0'38     | 0'62      | 0'32   | 0'89   | 3'56 | 8'60  | 11'84 | 11'90   | 10'04      | 4'66     | 0'06      | 0'09      | 52'96  |
|                        | Monghyr . . .               | 32—35            | 0'37     | 0'68      | 0'44   | 0'43   | 1'82 | 6'75  | 11'28 | 10'73   | 8'44       | 3'93     | 0'26      | 0'11      | 45'24  |
|                        | Bhagulpur . . .             | 32—33            | 0'45     | 0'68      | 0'35   | 0'83   | 0'93 | 8'27  | 11'21 | 10'74   | 7'81       | 4'14     | 0'23      | 0'10      | 45'74  |
|                        | Goddah . . .                | 14—15            | 0'26     | 0'61      | 0'33   | 0'34   | 2'65 | 7'00  | 10'91 | 11'62   | 10'10      | 3'19     | 0'10      | 0'14      | 47'25  |
|                        | Palamow . . .               | 16—17            | 0'49     | 0'52      | 0'73   | 0'31   | 1'15 | 6'25  | 12'22 | 11'60   | 7'91       | 2'84     | 0'47      | 0'32      | 44'81  |
|                        | Hazaribagh . . .            | 25—27            | 0'44     | 0'78      | 0'74   | 0'37   | 1'60 | 8'33  | 12'62 | 12'73   | 7'97       | 3'41     | 0'34      | 0'24      | 49'57  |
|                        | Ranchee . . .               | 29—31            | 0'73     | 1'07      | 1'39   | 0'64   | 2'04 | 7'63  | 12'24 | 11'97   | 8'25       | 3'19     | 0'31      | 0'23      | 49'69  |
|                        | Lohardugga . . .            | 3—4              | 0'07     | 0'24      | 0'89   | 0'27   | 2'42 | 9'59  | 13'19 | 11'11   | 11'70      | 2'54     | 0'90      | 0'83      | 53'75  |
|                        | Nya Doomka . . .            | 16               | 0'47     | 0'73      | 0'70   | 1'09   | 3'17 | 9'28  | 13'80 | 13'66   | 10'70      | 4'22     | 0'18      | 0'24      | 58'24  |
|                        | Gobindpur . . .             | 15—16            | 0'46     | 0'97      | 0'46   | 0'61   | 1'87 | 7'48  | 12'25 | 12'68   | 7'08       | 4'38     | 0'10      | 0'21      | 48'55  |
|                        | Purulia . . .               | 22—24            | 0'35     | 0'97      | 0'97   | 0'81   | 2'59 | 9'12  | 11'13 | 12'52   | 7'81       | 3'78     | 0'16      | 0'28      | 50'49  |

TABLE XXVIII.—Average monthly and annual rainfall of 479 stations in India, Ceylon, &c.—  
continued.

| PROVINCES.    | STATIONS.              | Number of years. | January. | February. | March. | April. | May.  | June. | July. | August. | September. | October. | November. | December. | Total. |
|---------------|------------------------|------------------|----------|-----------|--------|--------|-------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| BENGAL—contd. | Sirguja . . .          | 5—6              | 0'14     | 0'28      | 0'97   | 0'49   | 0'72  | 11'65 | 17'73 | 19'63   | 8'31       | 1'89     | 1'27      | 0'66      | 63'74  |
|               | Jushpore . . .         | 4—5              | 0'58     | 0'15      | 2'03   | 0'13   | 1'89  | 12'11 | 15'72 | 14'03   | 10'05      | 4'34     | 0'83      | 0'83      | 62'69  |
|               | Gangpur . . .          | 4—5              | 0'22     | 0'81      | 1'25   | 0'30   | 1'65  | 9'23  | 14'56 | 14'99   | 10'66      | 2'20     | 1'35      | 1'07      | 58'29  |
|               | Chybassa . . .         | 17—18            | 0'71     | 0'84      | 1'35   | 0'74   | 3'74  | 8'41  | 14'12 | 13'57   | 8'67       | 3'25     | 0'23      | 0'39      | 56'02  |
|               | Barreepudda . . .      | 8                | 0'25     | 0'58      | 1'49   | 1'45   | 4'65  | 11'03 | 12'57 | 11'99   | 12'27      | 4'35     | 0'61      | 0'29      | 61'53  |
|               | Keonjhar . . .         | 6—7              | 0'15     | 0'19      | 0'31   | 0'79   | 1'57  | 4'26  | 11'61 | 5'83    | 6'52       | 0'86     | 0'53      | 0'41      | 33'03  |
|               | Jellasure . . .        | 13—14            | 0'71     | 1'11      | 0'92   | 1'32   | 3'42  | 8'25  | 15'21 | 11'05   | 10'77      | 4'75     | 0'42      | 0'12      | 58'05  |
|               | Balasore . . .         | 27—28            | 0'71     | 1'22      | 1'76   | 3'14   | 4'70  | 10'37 | 11'88 | 12'57   | 12'72      | 6'86     | 1'10      | 0'26      | 67'29  |
|               | Bhuddruck . . .        | 16—17            | 0'33     | 1'31      | 1'21   | 1'94   | 4'78  | 9'31  | 12'21 | 10'75   | 11'01      | 4'77     | 1'09      | 0'41      | 59'12  |
|               | Talcher . . .          | 6                | 0'22     | 0'88      | 1'34   | 0'66   | 1'97  | 8'71  | 19'17 | 8'92    | 9'49       | 2'96     | 0'63      | 0'59      | 55'54  |
|               | Angul . . .            | 5—7              | 0'07     | 1'28      | 0'90   | 1'03   | 2'14  | 10'15 | 12'63 | 11'32   | 10'14      | 5'48     | 1'04      | 0'91      | 57'09  |
|               | Dhenkanal . . .        | 6                | 0'12     | 0'84      | 1'36   | 0'70   | 2'03  | 10'43 | 16'89 | 11'48   | 11'53      | 4'62     | 0'88      | 0'76      | 61'64  |
|               | Bispara . . .          | 6                | 0'07     | 0'33      | 0'58   | 0'27   | 1'73  | 12'12 | 11'52 | 9'35    | 10'54      | 2'60     | 0'63      | 0'80      | 50'54  |
|               | Kunjabangar . . .      | 5—6              | 0'17     | 0'63      | 1'56   | 2'36   | 3'20  | 7'53  | 12'99 | 13'07   | 14'47      | 5'22     | 1'49      | 0'34      | 63'03  |
|               | Banki (Charchika). . . | 6—7              | 0'06     | 0'57      | 1'66   | 0'49   | 3'19  | 9'43  | 12'34 | 8'13    | 10'34      | 4'57     | 1'58      | 0'83      | 53'19  |
|               | Cuttack . . .          | 26—29            | 0'37     | 0'57      | 1'14   | 1'48   | 3'23  | 10'67 | 12'56 | 11'15   | 9'78       | 5'77     | 1'04      | 0'52      | 58'28  |
|               | False Point . . .      | 19—20            | 0'42     | 0'89      | 1'19   | 2'38   | 3'24  | 9'61  | 14'12 | 13'50   | 11'28      | 10'51    | 2'13      | 0'71      | 69'98  |
|               | Pooree . . .           | 29—32            | 0'23     | 1'11      | 0'59   | 0'94   | 2'62  | 7'95  | 10'23 | 10'91   | 10'13      | 8'30     | 1'93      | 0'78      | 55'72  |
|               | Darjeeling . . .       | 26—29            | 0'70     | 1'13      | 2'33   | 3'90   | 7'21  | 24'78 | 30'13 | 26'54   | 17'84      | 6'35     | 0'21      | 0'22      | 121'34 |
|               | Mongpoo . . .          | 13—14            | 0'69     | 0'74      | 2'27   | 3'85   | 9'18  | 30'06 | 30'67 | 26'80   | 16'73      | 5'12     | 0'12      | 0'20      | 126'43 |
|               | Baxa . . .             | 17—18            | 0'85     | 0'97      | 2'90   | 8'87   | 20'99 | 45'28 | 48'71 | 43'93   | 32'41      | 10'45    | 0'50      | 0'63      | 216'49 |
|               | Jalpaiguri . . .       | 17—18            | 0'43     | 0'35      | 1'73   | 3'73   | 11'16 | 28'62 | 26'26 | 25'95   | 24'29      | 5'53     | 0'11      | 0'69      | 128'25 |
|               | Cooch Behar . . .      | 15—16            | 0'38     | 0'31      | 1'63   | 5'35   | 14'57 | 35'67 | 22'94 | 21'51   | 22'61      | 5'98     | 0'07      | 0'11      | 131'13 |
|               | Kissengunge . . .      | 15—16            | 0'49     | 0'50      | 0'67   | 1'35   | 5'35  | 15'60 | 17'00 | 15'88   | 14'26      | 3'24     | 0'05      | 0'16      | 74'55  |
|               | Purneah . . .          | 16—17            | 0'34     | 0'61      | 0'37   | 1'27   | 3'28  | 11'20 | 14'35 | 14'55   | 14'39      | 3'99     | 0'08      | 0'17      | 64'60  |
|               | Rungpore . . .         | 26—30            | 0'37     | 0'40      | 1'04   | 2'93   | 10'44 | 21'11 | 16'32 | 12'84   | 13'32      | 4'96     | 0'29      | 0'12      | 84'14  |
|               | Dinapore . . .         | 27—29            | 0'26     | 0'61      | 0'74   | 2'17   | 7'23  | 16'89 | 15'09 | 13'01   | 12'94      | 4'88     | 0'23      | 0'10      | 74'15  |
|               | Maldah . . .           | 29—31            | 0'63     | 0'77      | 0'88   | 1'37   | 3'64  | 10'06 | 10'69 | 10'08   | 10'85      | 4'40     | 0'22      | 0'35      | 53'94  |
|               | Bogra . . .            | 24—27            | 0'41     | 1'01      | 0'78   | 3'39   | 8'65  | 15'08 | 16'25 | 12'54   | 11'98      | 4'74     | 0'80      | 0'12      | 75'75  |
|               | Rampore Bauleah . . .  | 28—32            | 0'27     | 0'95      | 1'18   | 1'76   | 5'53  | 10'79 | 11'70 | 10'86   | 10'92      | 4'86     | 0'28      | 0'09      | 59'19  |
|               | Pabna . . .            | 23—25            | 0'35     | 1'15      | 1'54   | 3'48   | 7'08  | 12'01 | 10'53 | 12'99   | 11'43      | 4'81     | 0'33      | 0'11      | 65'81  |
|               | Soory . . .            | 24—27            | 0'41     | 0'99      | 0'58   | 0'90   | 3'00  | 10'36 | 12'54 | 13'00   | 9'95       | 3'71     | 0'12      | 0'18      | 55'74  |
|               | Bankoora . . .         | 29—32            | 0'32     | 1'11      | 1'48   | 1'58   | 3'40  | 9'82  | 12'74 | 12'13   | 8'84       | 4'72     | 0'44      | 0'18      | 56'76  |
|               | Burdwan . . .          | 26—27            | 0'29     | 0'78      | 1'22   | 2'42   | 4'97  | 9'79  | 12'30 | 12'36   | 8'22       | 4'64     | 0'54      | 0'18      | 57'69  |
|               | Hooghly . . .          | 22—23            | 0'41     | 1'45      | 1'73   | 2'75   | 5'83  | 10'18 | 12'05 | 12'82   | 7'86       | 4'04     | 0'35      | 0'28      | 59'75  |
|               | Howrah . . .           | 18—19            | 0'53     | 1'32      | 1'84   | 2'03   | 4'94  | 11'29 | 12'51 | 12'75   | 9'32       | 4'32     | 0'29      | 0'30      | 61'44  |
|               | Midnapore . . .        | 21—23            | 0'70     | 0'82      | 1'40   | 1'57   | 5'26  | 9'91  | 12'15 | 12'11   | 8'36       | 5'11     | 0'34      | 0'31      | 58'04  |
|               | Tumlook . . .          | 16               | 0'35     | 1'24      | 1'87   | 1'68   | 4'97  | 9'25  | 11'45 | 14'10   | 8'38       | 4'58     | 0'21      | 0'29      | 58'37  |
|               | Berhampore . . .       | 32—34            | 0'40     | 0'97      | 1'04   | 1'93   | 4'79  | 9'65  | 10'30 | 10'81   | 9'77       | 5'28     | 0'29      | 0'13      | 55'36  |
|               | Kishnaghur . . .       | 23—26            | 0'41     | 1'08      | 1'15   | 2'54   | 6'43  | 9'65  | 9'97  | 10'96   | 7'86       | 4'48     | 0'39      | 0'16      | 55'08  |
|               | Furteedpore . . .      | 20               | 0'29     | 1'34      | 2'57   | 4'10   | 8'77  | 13'24 | 12'64 | 12'31   | 10'04      | 4'46     | 0'49      | 0'13      | 70'38  |

# RAINFALL.

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TABLE XXVIII.—Average monthly and annual rainfall of 479 stations in India, Ceylon, &c.—continued.

| PROVINCES.             | STATIONS.                             | of<br>Number<br>Years. | January. | February. | March. | April. | May.  | June.  | July.  | August. | September. | October. | November. | December. | Total. |
|------------------------|---------------------------------------|------------------------|----------|-----------|--------|--------|-------|--------|--------|---------|------------|----------|-----------|-----------|--------|
| BENGAL—concl'd.        | Jessore . . .                         | 27—32                  | 0'44     | 0'87      | 2'10   | 4'58   | 7'52  | 13'31  | 11'63  | 11'81   | 9'26       | 5'59     | 0'85      | 0'20      | 68'16  |
|                        | Busseerhat . . .                      | 16—17                  | 0'40     | 1'09      | 2'15   | 2'03   | 6'80  | 10'78  | 12'62  | 13'16   | 8'92       | 4'33     | 0'38      | 0'25      | 62'91  |
|                        | Khoolna . . .                         | 15—16                  | 0'56     | 1'29      | 1'94   | 3'35   | 6'49  | 12'97  | 11'74  | 12'49   | 9'86       | 4'25     | 0'45      | 0'36      | 65'75  |
|                        | Burrisal . . .                        | 21—22                  | 0'52     | 0'97      | 2'36   | 3'68   | 7'74  | 17'34  | 16'64  | 13'06   | 11'69      | 4'52     | 0'96      | 0'27      | 79'75  |
|                        | Calcutta (Chowringhee) . . .          | 5—6                    | 0'37     | 1'49      | 1'12   | 1'19   | 5'17  | 11'48  | 12'93  | 14'51   | 10'29      | 4'32     | 0'14      | 0'65      | 63'66  |
|                        | Calcutta (St. Xavier's College) . . . | 16—17                  | 0'63     | 1'54      | 1'51   | 1'75   | 5'31  | 10'36  | 13'17  | 13'63   | 9'88       | 4'50     | 0'32      | 0'37      | 62'97  |
|                        | Alipore (Jail) . . .                  | 9—10                   | 0'22     | 1'27      | 1'13   | 1'49   | 5'95  | 10'06  | 12'86  | 13'85   | 9'93       | 3'67     | 0'29      | 0'72      | 61'44  |
|                        | Alipore (Obsy.) . . .                 | 19—20                  | 0'28     | 1'13      | 1'36   | 1'33   | 4'58  | 11'50  | 16'10  | 15'55   | 12'82      | 9'39     | 0'66      | 0'32      | 75'02  |
|                        | Saugor Island . . .                   | 25—27                  | 0'34     | 1'26      | 2'00   | 5'57   | 11'80 | 20'70  | 16'55  | 14'74   | 14'20      | 5'40     | 0'76      | 0'13      | 93'45  |
|                        | Mymensingh . . .                      | 16—17                  | 0'54     | 0'92      | 3'00   | 4'68   | 10'50 | 18'48  | 13'28  | 13'44   | 13'48      | 5'37     | 0'41      | 0'34      | 84'44  |
|                        | Kishorganj . . .                      | 16—17                  | 0'34     | 1'25      | 1'28   | 3'54   | 7'28  | 13'03  | 11'46  | 12'24   | 10'26      | 4'95     | 0'26      | 0'10      | 65'99  |
|                        | Atia (Tangail) . . .                  | 36—38                  | 0'27     | 1'02      | 2'50   | 5'80   | 9'21  | 13'34  | 12'83  | 12'39   | 10'16      | 5'20     | 0'65      | 0'22      | 73'59  |
|                        | Dacca . . .                           | 29—30                  | 0'57     | 0'91      | 2'90   | 6'56   | 10'60 | 18'83  | 18'38  | 16'52   | 11'79      | 5'19     | 1'30      | 0'27      | 93'82  |
|                        | Commillah . . .                       | 14—15                  | 0'73     | 1'18      | 4'51   | 4'49   | 10'96 | 14'52  | 12'07  | 13'88   | 10'74      | 4'84     | 0'93      | 0'44      | 79'29  |
|                        | Agartalla . . .                       | 28—30                  | 0'42     | 0'87      | 2'73   | 4'32   | 9'52  | 24'52  | 20'96  | 22'93   | 16'84      | 7'55     | 1'69      | 0'39      | 112'74 |
|                        | Noakholly . . .                       | 9—10                   | 0'42     | 1'33      | 2'90   | 5'05   | 12'64 | 21'06  | 17'33  | 21'44   | 18'61      | 7'77     | 1'83      | 0'97      | 111'35 |
|                        | Demagiri . . .                        | 18                     | 0'38     | 1'23      | 2'72   | 3'94   | 10'04 | 18'69  | 19'18  | 18'52   | 12'93      | 7'22     | 1'75      | 0'59      | 97'19  |
|                        | Rangamati Hill . . .                  | 28—32                  | 0'41     | 1'16      | 1'90   | 4'65   | 9'19  | 23'83  | 22'24  | 20'48   | 14'13      | 5'74     | 1'57      | 0'59      | 105'92 |
|                        | Chittagong . . .                      | 16—17                  | 0'38     | 0'45      | 1'88   | 2'57   | 10'55 | 35'26  | 40'20  | 27'02   | 15'36      | 7'88     | 2'07      | 0'41      | 144'03 |
|                        | Cox's Bazar . . .                     | 30—34                  | 0'36     | 1'56      | 5'36   | 13'96  | 21'20 | 31'12  | 25'62  | 26'33   | 20'96      | 8'29     | 1'12      | 0'28      | 156'16 |
|                        | Sylhet . . .                          | 29—30                  | 0'58     | 2'57      | 7'90   | 13'01  | 15'72 | 19'09  | 20'63  | 18'23   | 14'23      | 6'38     | 1'04      | 0'68      | 120'06 |
|                        | Silchar . . .                         | 24—30                  | 0'64     | 2'55      | 9'01   | 29'56  | 50'01 | 110'01 | 120'53 | 78'86   | 57'13      | 13'58    | 1'81      | 0'31      | 474'00 |
|                        | Cherra Poonjee . . .                  | 16—17                  | 0'58     | 0'88      | 1'91   | 5'35   | 15'82 | 23'46  | 24'34  | 20'66   | 20'74      | 7'98     | 0'41      | 0'14      | 122'27 |
|                        | Tura . . .                            | 20—21                  | 0'36     | 0'83      | 1'95   | 3'71   | 10'00 | 17'03  | 14'03  | 14'37   | 15'42      | 6'22     | 0'99      | 0'35      | 85'26  |
|                        | Shillong . . .                        | 15—17                  | 0'30     | 0'54      | 1'95   | 5'09   | 15'57 | 26'43  | 15'36  | 11'44   | 12'38      | 4'27     | 0'93      | 0'20      | 93'56  |
|                        | Dhubri . . .                          | 25                     | 0'40     | 0'54      | 2'24   | 6'47   | 13'47 | 23'59  | 17'04  | 12'49   | 11'78      | 4'47     | 0'20      | 0'29      | 92'98  |
| ASSAM . . .            | Goalpara . . .                        | 6                      | 0'20     | 0'46      | 2'33   | 5'20   | 11'39 | 14'19  | 16'40  | 13'81   | 12'02      | 4'60     | 0'14      | 0'20      | 80'94  |
|                        | Kulsi . . .                           | 35—38                  | 0'56     | 0'94      | 2'50   | 5'75   | 10'14 | 12'87  | 12'69  | 11'19   | 8'08       | 3'13     | 0'61      | 0'29      | 68'75  |
|                        | Gauhati . . .                         | 31—34                  | 0'79     | 1'06      | 2'46   | 5'54   | 9'53  | 13'17  | 16'15  | 14'84   | 10'95      | 4'20     | 0'49      | 0'29      | 79'47  |
|                        | Nowgong . . .                         | 29—33                  | 0'59     | 0'85      | 2'32   | 6'15   | 9'96  | 13'78  | 15'66  | 12'65   | 9'52       | 3'19     | 0'86      | 0'63      | 76'16  |
|                        | Tezpur . . .                          | 6                      | 1'13     | 1'08      | 2'01   | 4'75   | 11'05 | 15'94  | 16'19  | 20'52   | 13'61      | 5'92     | 0'35      | 0'93      | 93'48  |
|                        | Chardner . . .                        | 30—32                  | 1'13     | 2'19      | 4'41   | 9'93   | 11'02 | 14'14  | 15'59  | 15'98   | 11'66      | 5'17     | 1'31      | 0'58      | 93'11  |
|                        | Sibsagar . . .                        | 23—26                  | 1'38     | 2'45      | 5'71   | 9'94   | 13'44 | 18'29  | 19'74  | 18'01   | 14'27      | 6'08     | 1'44      | 0'95      | 111'70 |
|                        | Dibrugarh . . .                       | 8                      | 0'47     | 1'32      | 2'81   | 3'42   | 7'85  | 14'74  | 16'77  | 15'26   | 10'25      | 3'07     | 1'33      | 0'70      | 77'99  |
|                        | Kohima . . .                          | 28—31                  | 0'60     | 0'51      | 0'18   | 0'17   | 0'62  | 6'27   | 16'82  | 11'16   | 7'33       | 1'27     | 0'35      | 0'66      | 45'94  |
|                        | Saugor . . .                          | 28—30                  | 0'57     | 0'38      | 0'20   | 0'24   | 0'41  | 6'30   | 16'81  | 13'03   | 7'29       | 1'62     | 0'31      | 0'55      | 47'71  |
| CENTRAL PROV-<br>INCES | Damoh . . .                           | 41—43                  | 0'59     | 0'47      | 0'50   | 0'22   | 0'51  | 8'49   | 18'63  | 13'77   | 8'21       | 1'53     | 0'35      | 0'29      | 53'56  |
|                        | Jubbulpore . . .                      | 29—32                  | 0'40     | 0'32      | 0'24   | 0'25   | 0'51  | 8'20   | 15'35  | 11'79   | 8'32       | 1'60     | 0'22      | 0'42      | 47'62  |
|                        | Narsinghpur . . .                     | 28—32                  | 0'35     | 0'14      | 0'23   | 0'04   | 0'51  | 6'47   | 15'49  | 12'88   | 10'41      | 1'22     | 0'35      | 0'57      | 48'66  |
|                        | Hoshangabad . . .                     | 21—23                  | 0'31     | 0'29      | 0'08   | 0'08   | 0'32  | 6'58   | 10'10  | 6'99    | 6'45       | 1'23     | 0'11      | 0'52      | 33'06  |

TABLE XXVIII.—Average monthly and annual rainfall of 479 stations in India, Ceylon, &amp;c.—continued.

| PROVINCES.                        | STATIONS.           | Number of years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|-----------------------------------|---------------------|------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| CENTRAL PROVINCES.— <i>contd.</i> | Badnur (Betul)      | 30—34            | 0'41     | 0'32      | 0'65   | 0'29   | 0'51 | 7'49  | 13'34 | 8'87    | 7'86       | 1'70     | 0'35      | 0'56      | 42'35  |
|                                   | Pachmarhi           | 15—16            | 0'50     | 0'27      | 0'35   | 0'26   | 0'65 | 10'81 | 28'75 | 18'20   | 15'08      | 1'91     | 0'38      | 0'73      | 77'89  |
|                                   | Chhindwara          | 23—24            | 0'71     | 0'32      | 0'51   | 0'26   | 0'73 | 9'98  | 11'95 | 8'11    | 8'25       | 2'40     | 0'29      | 0'46      | 43'97  |
|                                   | Seoni               | 28—30            | 0'68     | 0'89      | 0'50   | 0'56   | 0'89 | 10'05 | 15'01 | 10'77   | 8'04       | 2'05     | 0'35      | 0'73      | 50'52  |
|                                   | Balaghat            | 20               | 0'48     | 0'66      | 0'32   | 0'49   | 0'97 | 12'95 | 23'21 | 16'43   | 9'37       | 1'58     | 0'38      | 0'32      | 67'16  |
|                                   | Mandla              | 27—30            | 0'54     | 0'58      | 0'78   | 0'53   | 0'56 | 9'38  | 18'92 | 11'76   | 6'55       | 1'53     | 0'24      | 0'37      | 51'74  |
|                                   | Bilaspur            | 22—24            | 0'49     | 0'31      | 0'85   | 0'79   | 1'03 | 8'95  | 13'36 | 11'20   | 7'72       | 1'79     | 0'46      | 0'29      | 47'24  |
|                                   | Saragaon            | 16—17            | 0'22     | 0'21      | 0'33   | 0'42   | 0'34 | 6'94  | 15'82 | 11'18   | 8'30       | 1'52     | 0'42      | 0'20      | 44'90  |
|                                   | Sarangarh           | 8                | 0'04     | 0'39      | 0'73   | 0'24   | 0'68 | 8'34  | 15'63 | 11'81   | 6'61       | 3'51     | 0'44      | 0'36      | 48'78  |
|                                   | Raigarh             | 5—6              | 0'18     | 0'01      | 0'59   | 0'16   | 1'40 | 9'29  | 18'82 | 20'42   | 10'12      | 1'65     | 0'70      | 0'62      | 63'96  |
|                                   | Sambalpur           | 24—26            | 0'60     | 0'62      | 0'72   | 0'52   | 1'58 | 13'01 | 17'74 | 15'20   | 8'75       | 2'38     | 0'32      | 0'39      | 61'83  |
|                                   | Raipur              | 22—24            | 0'32     | 0'29      | 0'61   | 0'61   | 0'88 | 10'39 | 14'81 | 12'09   | 7'73       | 2'22     | 0'81      | 0'30      | 51'06  |
|                                   | Dhamtari            | 20               | 0'24     | 0'41      | 0'32   | 0'20   | 1'49 | 9'73  | 15'59 | 9'81    | 7'18       | 2'10     | 0'40      | 0'18      | 47'65  |
|                                   | Bhandara            | 22—24            | 0'94     | 0'56      | 0'57   | 0'56   | 1'14 | 8'36  | 17'34 | 12'45   | 9'28       | 1'72     | 0'30      | 0'40      | 53'62  |
|                                   | Nagpur              | 39—40            | 0'60     | 0'41      | 0'63   | 0'45   | 0'82 | 8'81  | 13'27 | 8'88    | 7'83       | 2'26     | 0'40      | 0'50      | 44'86  |
|                                   | Arvi                | 17—18            | 0'61     | 0'19      | 0'53   | 0'16   | 0'87 | 6'00  | 9'40  | 7'60    | 7'72       | 2'35     | 0'28      | 0'52      | 36'23  |
|                                   | Wardha              | 22—24            | 0'33     | 0'26      | 0'33   | 0'35   | 0'86 | 6'45  | 12'33 | 8'98    | 7'97       | 2'17     | 0'37      | 0'51      | 40'91  |
|                                   | Barhamapuri         | 20               | 0'44     | 0'18      | 0'66   | 0'34   | 0'88 | 9'36  | 18'67 | 12'64   | 9'09       | 2'20     | 0'35      | 0'51      | 55'32  |
|                                   | Chanda              | 22—24            | 0'18     | 0'71      | 1'11   | 0'71   | 2'53 | 7'56  | 15'45 | 11'96   | 8'67       | 2'40     | 0'79      | 0'42      | 52'49  |
|                                   | Sironcha            | 22—24            | 0'13     | 0'38      | 0'48   | 0'41   | 1'85 | 7'04  | 13'39 | 11'00   | 8'48       | 2'53     | 0'56      | 0'23      | 46'48  |
|                                   | Baster (Jagdalpore) | 4—5              | 0'22     | 0'10      | 0'29   | 3'36   | 1'80 | 11'77 | 17'04 | 13'26   | 8'51       | 2'57     | 1'09      | 0'49      | 60'50  |
|                                   | Makhla              | 8—9              | 0'19     | 0'29      | 0'16   | 0'07   | 0'42 | 11'37 | 21'31 | 15'78   | 13'86      | 3'95     | 0'73      | 1'39      | 69'52  |
|                                   | Chikalda            | 15—16            | 0'47     | 0'12      | 0'35   | 0'13   | 0'48 | 11'92 | 17'75 | 16'56   | 12'33      | 4'62     | 0'52      | 1'31      | 66'56  |
|                                   | Ellichpur           | 26—27            | 0'39     | 0'10      | 0'40   | 0'21   | 0'36 | 6'38  | 7'87  | 5'63    | 5'50       | 2'29     | 0'48      | 0'68      | 30'29  |
|                                   | Amraoti             | 27—28            | 0'45     | 0'21      | 0'33   | 0'23   | 0'61 | 6'89  | 8'83  | 7'02    | 5'34       | 1'65     | 0'23      | 0'58      | 32'37  |
| BERARS                            | Akola               | 25—26            | 0'49     | 0'14      | 0'44   | 0'12   | 0'22 | 5'23  | 7'81  | 6'65    | 5'80       | 2'22     | 0'41      | 0'82      | 30'35  |
|                                   | Buldana             | 25—26            | 0'65     | 0'13      | 0'26   | 0'28   | 0'51 | 6'44  | 7'94  | 7'46    | 6'37       | 2'26     | 0'36      | 0'65      | 33'31  |
|                                   | Basim               | 21               | 0'32     | 0'06      | 0'19   | 0'33   | 0'58 | 8'27  | 11'17 | 7'83    | 7'27       | 2'02     | 0'63      | 0'70      | 39'37  |
|                                   | Yeotmal             | 22               | 0'23     | 0'10      | 0'40   | 0'30   | 0'98 | 7'71  | 13'07 | 9'04    | 7'17       | 2'58     | 0'47      | 0'56      | 42'61  |
| HYDERABAD                         | Wun                 | 20—22            | 0'28     | 0'14      | 0'58   | 0'12   | 0'53 | 6'60  | 12'07 | 10'71   | 6'56       | 1'76     | 0'72      | 0'41      | 40'48  |
|                                   | Aurangabad          | 12               | 0'09     | 0'03      | 0'04   | 0'17   | 0'83 | 6'54  | 7'01  | 5'86    | 7'26       | 3'02     | 0'51      | 0'96      | 32'32  |
|                                   | Jalna               | 8                | 0'06     | 0'01      | 0'05   | 0'08   | 0'80 | 7'19  | 6'76  | 5'32    | 7'50       | 3'44     | 0'77      | 1'40      | 33'38  |
|                                   | Hingoli             | 23               | 0'44     | 0'09      | 0'21   | 0'50   | 0'81 | 6'90  | 10'38 | 8'06    | 7'38       | 2'44     | 0'67      | 0'56      | 38'44  |
|                                   | Parbhani            | 11               | 0'04     | ...       | 0'11   | 0'28   | 0'87 | 5'91  | 7'39  | 6'99    | 8'28       | 2'90     | 0'69      | 0'49      | 33'95  |
|                                   | Nandair             | 11               | 0'16     | ...       | 0'18   | 0'30   | 0'96 | 6'04  | 8'54  | 8'02    | 7'15       | 3'16     | 0'54      | 1'00      | 36'05  |
|                                   | Bheer               | 11               | 0'18     | 0'02      | 0'13   | 0'28   | 0'32 | 5'38  | 5'31  | 5'70    | 7'83       | 2'87     | 1'02      | 0'98      | 30'02  |
|                                   | Mominabad           | 6—7              | 0'07     | ...       | 0'21   | 0'40   | 0'44 | 7'62  | 5'00  | 7'50    | 10'60      | 3'10     | 1'17      | 1'51      | 37'62  |
|                                   | Indur               | 11               | 0'05     | 0'01      | 0'30   | 0'33   | 0'39 | 4'33  | 10'80 | 10'32   | 7'58       | 2'78     | 1'06      | 0'46      | 38'41  |
|                                   | Yelgandal           | 11               | 0'06     | 0'17      | 0'57   | 0'50   | 1'20 | 4'92  | 7'61  | 7'23    | 7'31       | 3'40     | 0'95      | 0'47      | 34'39  |
|                                   | Medak               | 11               | 0'03     | 0'15      | 0'41   | 0'79   | 0'75 | 4'69  | 8'02  | 9'16    | 7'04       | 2'59     | 0'70      | 0'38      | 34'71  |
|                                   | Ibrahimpatan        | 11               | 0'09     | 0'06      | 0'69   | 0'73   | 1'35 | 5'03  | 6'37  | 7'12    | 5'79       | 3'11     | 1'55      | 0'28      | 32'17  |



TABLE XXVIII.—Average monthly and annual rainfall of 479 stations in India, Ceylon, &c.—  
continued.

| PROVINCES.                  | STATIONS.                          | Number<br>of<br>years. | January. | February. | March. | April. | May. | June. | July.  | August. | September. | October. | November. | December. | Total. |
|-----------------------------|------------------------------------|------------------------|----------|-----------|--------|--------|------|-------|--------|---------|------------|----------|-----------|-----------|--------|
| HYDERABAD—<br><i>contd.</i> | Naldurg . . .                      | 11                     | ...      | ...       | 0'21   | 0'26   | 1'03 | 6'95  | 5'18   | 8'82    | 10'21      | 3'57     | 0'61      | 0'64      | 37'48  |
|                             | Bidar . . .                        | 11                     | ...      | ...       | 0'38   | 0'88   | 0'93 | 6'21  | 9'78   | 10'80   | 9'57       | 4'06     | 0'89      | 0'75      | 44'25  |
|                             | Gulbarga . . .                     | 11                     | 0'06     | 0'14      | 0'26   | 0'75   | 1'50 | 4'89  | 4'99   | 7'08    | 6'38       | 3'19     | 0'48      | 0'50      | 30'22  |
|                             | Bolarum . . .                      | 17                     | 0'15     | 0'19      | 0'46   | 0'52   | 1'30 | 3'65  | 6'40   | 6'75    | 5'73       | 3'44     | 0'73      | 0'48      | 29'80  |
|                             | Secunderabad . . .                 | 43—44                  | 0'28     | 0'22      | 0'73   | 0'73   | 1'43 | 3'65  | 5'97   | 5'75    | 5'23       | 3'33     | 0'85      | 0'26      | 28'43  |
|                             | Hyderabad . . .                    | 18                     | 0'14     | 0'06      | 0'30   | 0'66   | 1'00 | 4'36  | 6'25   | 6'40    | 6'88       | 3'66     | 1'25      | 0'67      | 31'63  |
|                             | Nalgonda . . .                     | 11                     | 0'20     | 0'01      | 0'41   | 0'37   | 1'40 | 3'35  | 4'29   | 4'82    | 6'15       | 4'25     | 2'01      | 0'24      | 27'50  |
|                             | Khamam . . .                       | 11                     | 0'29     | 0'25      | 1'22   | 0'36   | 1'02 | 4'73  | 7'32   | 6'83    | 6'07       | 2'64     | 1'35      | 0'56      | 32'64  |
|                             | Sirpur . . .                       | 3                      | ...      | ...       | 0'35   | 0'35   | 0'69 | 9'70  | 16'45  | 5'09    | 3'54       | 3'60     | 0'53      | 2'61      | 42'91  |
|                             | Nagar Karnul . . .                 | 11                     | 0'06     | 0'03      | 0'39   | 0'49   | 1'58 | 4'00  | 6'55   | 6'68    | 5'05       | 3'31     | 0'54      | 0'52      | 29'20  |
|                             | Raichur . . .                      | 11                     | 0'05     | ...       | 0'28   | 0'56   | 1'26 | 4'21  | 3'68   | 5'33    | 4'69       | 4'47     | 0'64      | 0'13      | 25'30  |
|                             | Dhulia . . .                       | 17—26                  | 0'34     | 0'05      | 0'01   | 0'03   | 0'42 | 4'79  | 4'83   | 3'96    | 4'64       | 2'03     | 0'47      | 0'39      | 21'96  |
|                             | Nasik . . .                        | 26—30                  | 0'07     | 0'04      | 0'02   | 0'09   | 0'65 | 5'99  | 7'61   | 5'19    | 5'12       | 3'91     | 0'49      | 0'24      | 29'42  |
|                             | Igatpuri . . .                     | 17—24                  | 0'16     | 0'10      | 0'05   | 0'08   | 1'10 | 21'51 | 46'64  | 33'77   | 17'26      | 4'91     | 0'30      | 0'27      | 126'15 |
|                             | Malegaon . . .                     | 17—26                  | 0'23     | 0'17      | 0'02   | 0'24   | 0'71 | 5'12  | 4'18   | 4'29    | 6'34       | 2'60     | 0'40      | 0'57      | 24'87  |
|                             | Ahmednagar . . .                   | 30                     | 0'38     | 0'07      | 0'17   | 0'47   | 1'34 | 4'75  | 3'12   | 4'28    | 6'87       | 3'29     | 0'85      | 0'46      | 26'05  |
|                             | Poona . . .                        | 43                     | 0'23     | 0'04      | 0'17   | 0'55   | 1'61 | 5'59  | 6'64   | 4'09    | 4'33       | 4'12     | 0'77      | 0'25      | 28'39  |
|                             | Lanauli . . .                      | 13                     | 0'05     | 0'02      | 0'12   | 0'11   | 0'64 | 28'06 | 65'34  | 40'38   | 23'78      | 4'76     | 0'40      | 0'24      | 163'90 |
|                             | Satara . . .                       | 31—32                  | 0'32     | 0'07      | 0'07   | 0'86   | 1'43 | 7'70  | 13'18  | 7'24    | 4'58       | 3'56     | 1'59      | 0'50      | 41'10  |
|                             | Mohableshtar . . .                 | 30—32                  | 0'37     | 0'05      | 0'36   | 0'87   | 1'41 | 47'34 | 102'15 | 68'63   | 32'89      | 5'76     | 1'09      | 0'42      | 261'34 |
| BOMBAY .                    | Sholapur . . .                     | 33—34                  | 0'04     | 0'11      | 0'26   | 0'69   | 1'15 | 4'60  | 4'34   | 6'00    | 7'47       | 3'67     | 0'68      | 0'39      | 29'40  |
|                             | Kolhapur . . .                     | 25—27                  | 0'03     | 0'02      | 0'07   | 1'35   | 2'08 | 7'49  | 11'74  | 6'93    | 3'98       | 5'23     | 0'64      | 0'21      | 39'77  |
|                             | Baura . . .                        | 13—15                  | 0'15     | 0'01      | 0'04   | 0'51   | 2'19 | 53'02 | 88'40  | 59'84   | 34'57      | 11'07    | 1'94      | 0'52      | 252'26 |
|                             | Belgaum . . .                      | 34—35                  | 0'07     | 0'02      | 0'47   | 1'97   | 2'82 | 9'27  | 15'18  | 9'04    | 3'65       | 4'71     | 1'23      | 0'30      | 48'73  |
|                             | Gokak . . .                        | 18—25                  | 0'06     | ...       | 0'40   | 0'98   | 1'85 | 3'44  | 2'10   | 2'28    | 3'22       | 6'28     | 0'94      | 0'92      | 22'47  |
|                             | Dharwar . . .                      | 20—27                  | 0'13     | 0'02      | 0'32   | 1'27   | 2'86 | 5'25  | 6'25   | 4'99    | 3'31       | 6'17     | 2'02      | 0'55      | 32'14  |
|                             | Hubli . . .                        | 16—23                  | 0'07     | ...       | 0'28   | 1'38   | 2'42 | 4'14  | 4'38   | 3'25    | 3'10       | 5'63     | 1'02      | 0'30      | 25'97  |
|                             | Nargund . . .                      | 16—23                  | 0'19     | 0'11      | 0'21   | 0'83   | 2'03 | 2'90  | 1'97   | 2'95    | 4'09       | 6'29     | 0'61      | 0'39      | 22'57  |
|                             | Mandargi . . .                     | 13                     | 0'31     | ...       | 0'22   | 0'58   | 1'82 | 1'98  | 1'97   | 2'17    | 3'71       | 4'38     | 1'07      | 0'11      | 18'32  |
|                             | Kalghatgi . . .                    | 16—23                  | 0'06     | ...       | 0'23   | 1'17   | 1'81 | 5'32  | 7'30   | 4'56    | 3'44       | 4'84     | 0'70      | 0'28      | 29'71  |
|                             | Bijapur . . .                      | 17—25                  | 0'05     | 0'02      | 0'19   | 0'63   | 0'82 | 3'39  | 2'53   | 3'96    | 6'05       | 4'64     | 1'14      | 0'94      | 24'36  |
|                             | Honawar . . .                      | 23—25                  | 0'24     | ...       | 0'14   | 0'26   | 3'33 | 39'77 | 43'01  | 27'40   | 15'34      | 6'16     | 1'03      | 0'18      | 136'86 |
|                             | Karwar . . .                       | 25—26                  | 0'15     | ...       | 0'06   | 0'31   | 2'91 | 34'52 | 37'66  | 21'74   | 11'99      | 5'25     | 1'65      | 0'17      | 116'41 |
|                             | Goa . . .                          | 25—26                  | 0'14     | ...       | 0'03   | 0'10   | 1'60 | 31'67 | 33'07  | 19'98   | 10'57      | 4'50     | 1'11      | 0'12      | 102'89 |
|                             | Vingurla . . .                     | 18—25                  | 0'18     | ...       | 0'06   | 0'06   | 1'82 | 33'37 | 35'62  | 21'78   | 11'62      | 4'40     | 0'86      | 0'27      | 110'04 |
|                             | Ratnagiri . . .                    | 18—30                  | 0'95     | 0'01      | ...    | 0'16   | 1'37 | 31'17 | 33'62  | 20'39   | 12'83      | 3'57     | 0'75      | 0'10      | 104'92 |
|                             | Colaba (Obsy.) . . .               | 40—70                  | 0'11     | 0'02      | ...    | 0'03   | 0'54 | 20'79 | 24'67  | 15'08   | 10'78      | 1'81     | 0'47      | 0'60      | 74'90  |
|                             | Byculla (J. J. Hos-<br>pital). . . | 18—25                  | 0'13     | ...       | 0'01   | ...    | 0'43 | 21'61 | 27'47  | 17'48   | 12'25      | 2'79     | 0'06      | 0'06      | 82'29  |
|                             | Tanna . . .                        | 18—29                  | 0'03     | 0'07      | 0'01   | ...    | 0'38 | 24'84 | 36'20  | 20'80   | 12'83      | 3'35     | 0'05      | 0'07      | 98'63  |
|                             | Matheran . . .                     | 16                     | 0'06     | 0'01      | 0'01   | 0'03   | 0'77 | 35'66 | 84'36  | 50'69   | 31'00      | 5'30     | 0'62      | 0'08      | 208'59 |
|                             | Surat . . .                        | 18—24                  | 0'04     | 0'03      | ...    | ...    | 0'20 | 9'39  | 13'76  | 9'83    | 7'25       | 1'45     | 0'80      | 0'04      | 42'79  |

TABLE XXVIII.—Average monthly and annual rainfall of 479 stations in India, Ceylon, &amp;c.—continued.

| PROVINCES.    | STATIONS.         | Number of years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|---------------|-------------------|------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| BOMBAY—contd. | Broach . . .      | 18—25            | 0'06     | 0'02      | 0'01   | ...    | 0'13 | 6'67  | 15'33 | 8'87    | 7'18       | 1'72     | 0'13      | 0'05      | 40'17  |
|               | Kaira . . .       | 18—26            | 0'03     | 0'20      | 0'01   | 0'05   | 0'34 | 4'08  | 14'14 | 8'99    | 5'01       | 0'50     | 0'14      | 0'06      | 33'55  |
|               | Bariya . . .      | 18               | 0'08     | 0'29      | ...    | ...    | 0'17 | 5'41  | 18'15 | 11'10   | 10'18      | 0'97     | 0'07      | 0'12      | 46'54  |
|               | Godhra . . .      | 18—21            | 0'06     | 0'14      | 0'01   | 0'01   | 0'41 | 5'07  | 16'47 | 11'29   | 8'53       | 1'08     | 0'04      | 0'07      | 43'18  |
|               | Dohad . . .       | 14               | 0'08     | 0'22      | 0'02   | 0'04   | 0'40 | 3'60  | 9'84  | 7'70    | 7'70       | 1'11     | 0'05      | 0'12      | 30'88  |
|               | Ahmedabad . . .   | 18—26            | 0'01     | 0'07      | 0'02   | 0'03   | 0'69 | 3'45  | 11'55 | 8'70    | 4'33       | 0'60     | 0'03      | 0'04      | 29'52  |
|               | Edar . . .        | 17—19            | 0'03     | 0'17      | ...    | 0'02   | 0'72 | 3'55  | 17'13 | 11'41   | 7'13       | 0'40     | 0'09      | 0'04      | 40'69  |
|               | Deesa . . .       | 29—31            | 0'11     | 0'18      | 0'09   | 0'05   | 0'17 | 2'20  | 9'81  | 8'46    | 3'33       | 0'82     | 0'06      | 0'04      | 25'32  |
|               | Wadhwan . . .     | 16               | 0'04     | 0'03      | 0'05   | 0'01   | 0'14 | 2'61  | 7'44  | 3'61    | 4'05       | 0'39     | 0'21      | 0'01      | 18'59  |
|               | Palanpur . . .    | 15—19            | 0'05     | 0'20      | 0'05   | 0'01   | 0'69 | 2'29  | 11'06 | 11'94   | 5'48       | 0'76     | ...       | 0'07      | 32'60  |
|               | Rajkot . . .      | 20—26            | 0'05     | 0'07      | 0'01   | 0'01   | 0'39 | 5'44  | 10'34 | 6'69    | 4'23       | 0'77     | 0'21      | 0'06      | 28'27  |
|               | Songad . . .      | 12               | 0'04     | 0'10      | 0'05   | 0'03   | 0'31 | 2'69  | 9'64  | 4'65    | 6'40       | 1'46     | 0'03      | 0'01      | 25'41  |
|               | Manakwara . . .   | 12               | 0'06     | 0'06      | 0'08   | 0'11   | 0'17 | 5'33  | 13'55 | 5'51    | 5'03       | 1'52     | 0'16      | 0'06      | 31'64  |
|               | Bhuj . . .        | 17—26            | 0'04     | 0'10      | 0'11   | 0'16   | 0'16 | 2'24  | 5'27  | 3'63    | 2'39       | 0'82     | 0'01      | 0'04      | 14'97  |
|               | Rhahpur . . .     | 9                | 0'03     | ...       | 0'12   | 0'13   | 0'24 | 0'98  | 8'11  | 3'87    | 3'76       | 1'07     | ...       | ...       | 18'31  |
|               | Nagar . . .       | 22—24            | 0'12     | 0'06      | 0'05   | 0'03   | 0'28 | 2'02  | 5'74  | 5'93    | 1'83       | 0'35     | ...       | 0'03      | 16'44  |
|               | Kurrachee . . .   | 29—31            | 0'60     | 0'25      | 0'16   | 0'18   | 0'05 | 0'19  | 3'08  | 1'76    | 0'85       | 0'07     | 0'07      | 0'18      | 7'44   |
|               | Sehwan . . .      | 21—22            | 0'39     | 0'24      | 0'22   | 0'20   | 0'13 | 0'15  | 2'09  | 2'45    | 0'74       | ...      | 0'08      | 0'14      | 6'83   |
|               | Tatta . . .       | 18               | 0'21     | 0'11      | 0'13   | 0'48   | 0'02 | 0'84  | 3'57  | 1'44    | 1'15       | ...      | 0'11      | 0'05      | 8'11   |
|               | Hyderabad . . .   | 20—24            | 0'19     | 0'14      | 0'11   | 0'21   | 0'06 | 0'39  | 2'84  | 3'19    | 0'80       | ...      | 0'08      | 0'01      | 8'02   |
|               | Umarkot . . .     | 18—22            | 0'14     | 0'06      | 0'14   | 0'14   | 0'08 | 0'96  | 3'80  | 4'30    | 1'14       | 0'24     | ...       | 0'01      | 11'01  |
|               | Shikarpur . . .   | 22—24            | 0'30     | 0'27      | 0'45   | 0'20   | 0'08 | 0'11  | 1'30  | 1'64    | 0'25       | ...      | 0'05      | 0'11      | 4'76   |
|               | Rohri . . .       | 25—26            | 0'33     | 0'48      | 0'45   | 0'29   | 0'22 | 0'30  | 1'30  | 1'27    | 0'36       | 0'02     | 0'08      | 0'19      | 5'29   |
|               | Jacobabad . . .   | 26               | 0'25     | 0'23      | 0'32   | 0'17   | 0'14 | 0'08  | 1'39  | 1'40    | 0'26       | 0'01     | 0'08      | 0'10      | 4'43   |
|               | Ganjam . . .      | 23—24            | 0'16     | 0'54      | 0'88   | 0'85   | 1'56 | 5'17  | 5'21  | 5'86    | 8'76       | 9'40     | 1'62      | 1'22      | 41'23  |
|               | Gopalpur . . .    | 6—7              | 0'17     | 0'67      | 0'92   | 0'83   | 2'59 | 8'34  | 7'94  | 7'58    | 8'96       | 11'43    | 5'10      | 1'90      | 56'43  |
|               | Aska . . .        | 23—24            | 0'23     | 0'51      | 1'31   | 1'53   | 3'23 | 5'92  | 6'97  | 8'62    | 8'96       | 6'79     | 1'99      | 0'69      | 46'75  |
|               | Vizianagram . . . | 24               | 0'17     | 0'45      | 0'80   | 0'44   | 2'60 | 4'26  | 4'95  | 6'59    | 7'70       | 8'36     | 2'20      | 1'59      | 40'11  |
|               | Bimlipatam . . .  | 27               | 0'29     | 0'50      | 0'20   | 0'19   | 1'96 | 3'19  | 3'60  | 4'44    | 6'32       | 8'13     | 2'49      | 1'31      | 32'62  |
|               | Rayaghadda . . .  | 6                | 0'14     | 0'12      | 1'40   | 1'51   | 4'41 | 6'28  | 10'14 | 9'63    | 5'50       | 4'51     | 1'97      | 0'83      | 46'44  |
|               | Nourangapur . . . | 4—5              | 0'26     | 0'39      | 0'54   | 1'31   | 1'45 | 9'32  | 23'80 | 16'01   | 10'77      | 3'51     | 0'96      | 0'19      | 68'5*  |
|               | Gunipur . . .     | 3—5              | 0'08     | 0'74      | 0'73   | 2'44   | 3'15 | 5'86  | 10'53 | 8'71    | 7'19       | 4'94     | 1'41      | 0'70      | 46'48  |
| MADRAS . . .  | Jeypur . . .      | 5                | ...      | ...       | 0'54   | 0'45   | 1'81 | 14'04 | 21'98 | 16'13   | 11'98      | 4'18     | 1'25      | 0'06      | 72'42  |
|               | Koraput . . .     | 6                | ...      | ...       | 0'28   | 0'71   | 2'11 | 9'96  | 16'18 | 12'17   | 9'13       | 3'58     | 1'46      | 0'44      | 56'02  |
|               | Malkanagiri . . . | 3—5              | 0'04     | ...       | 0'20   | 0'70   | 1'35 | 8'95  | 19'67 | 13'48   | 17'89      | 2'84     | 0'89      | 0'14      | 66'15  |
|               | Narsapatnam . . . | 17               | 0'35     | 0'45      | 0'97   | 1'03   | 4'12 | 4'55  | 5'25  | 5'78    | 8'26       | 8'30     | 3'26      | 1'18      | 43'50  |
|               | Vizagapatam . . . | 21               | 0'38     | 0'27      | 0'39   | 0'55   | 3'14 | 4'42  | 4'82  | 6'62    | 7'59       | 11'49    | 4'42      | 2'16      | 46'25  |
|               | Cocanada . . .    | 24               | 0'25     | 0'23      | 0'20   | 0'44   | 2'20 | 4'22  | 5'50  | 5'21    | 6'53       | 8'98     | 3'52      | 1'01      | 38'29  |
|               | Rajahmundry . . . | 25               | 0'17     | 0'27      | 0'27   | 0'94   | 3'28 | 4'49  | 7'19  | 6'57    | 7'13       | 6'54     | 1'69      | 0'20      | 38'74  |
|               | Ellore . . .      | 24               | 0'25     | 0'12      | 0'46   | 0'59   | 1'58 | 4'20  | 5'79  | 6'73    | 7'39       | 5'96     | 2'46      | 0'45      | 35'98  |
|               | Masulipatam . . . | 24               | 0'27     | 0'12      | 0'35   | 0'05   | 1'73 | 4'43  | 5'58  | 6'03    | 6'52       | 8'78     | 3'98      | 0'68      | 38'52  |

TABLE XXVIII.—Average monthly and annual rainfall of 479 stations in India, Ceylon, &c.—continued.

| PROVINCES.    | STATIONS.                                           | Number of years. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|---------------|-----------------------------------------------------|------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| MADRAS—con'd. | Guntur . . .                                        | 27               | 0'35     | 0'14      | 0'54   | 0'59   | 1'91 | 3'54  | 4'84  | 6'38    | 5'80       | 6'70     | 2'27      | 0'54      | 33'60  |
|               | Vinukonda . .                                       | 17               | 0'32     | 0'01      | 0'26   | 0'40   | 1'61 | 2'55  | 2'64  | 4'15    | 4'48       | 6'54     | 3'14      | 0'88      | 26'98  |
|               | Ongole . . .                                        | 17               | 0'31     | 0'03      | 0'26   | 0'18   | 1'69 | 1'92  | 3'09  | 3'98    | 5'17       | 9'66     | 6'17      | 1'30      | 33'76  |
|               | Nellore . . .                                       | 23—24            | 0'47     | 0'10      | 0'24   | 0'12   | 1'39 | 1'52  | 2'18  | 3'11    | 3'18       | 9'89     | 11'12     | 3'78      | 37'10  |
|               | Udayagiri . .                                       | 17               | 0'44     | 0'21      | 0'32   | 0'33   | 1'89 | 1'37  | 1'66  | 1'98    | 2'50       | 8'85     | 7'41      | 2'46      | 29'42  |
|               | Tada . . .                                          | 16               | 0'75     | 0'71      | 0'31   | 0'16   | 2'64 | 2'35  | 2'71  | 4'40    | 3'53       | 9'05     | 13'59     | 3'90      | 44'10  |
|               | Kurnool . . .                                       | 26—27            | 0'05     | 0'04      | 0'46   | 0'68   | 1'97 | 3'32  | 5'07  | 6'07    | 6'03       | 4'14     | 0'80      | 0'21      | 28'84  |
|               | Cumbum . . .                                        | 17               | 0'11     | 0'05      | 0'48   | 0'17   | 2'03 | 2'22  | 2'96  | 2'81    | 3'74       | 6'07     | 3'72      | 0'76      | 25'12  |
|               | Nandyal . . .                                       | 17               | 0'09     | 0'03      | 0'18   | 0'41   | 1'39 | 4'58  | 5'38  | 7'31    | 8'98       | 5'26     | 1'15      | 0'32      | 35'08  |
|               | Bellary . . .                                       | 33               | 0'15     | 0'04      | 0'55   | 0'75   | 1'80 | 1'79  | 1'34  | 2'25    | 3'72       | 3'95     | 0'99      | 0'26      | 17'59  |
|               | Gooty . . .                                         | 30—31            | 0'05     | 0'06      | 0'06   | 0'46   | 1'87 | 2'66  | 2'94  | 3'98    | 4'23       | 4'26     | 1'09      | 0'16      | 21'82  |
|               | Adoni . . .                                         | 17               | 0'07     | ...       | 0'04   | 0'53   | 1'67 | 3'98  | 4'16  | 5'57    | 5'42       | 5'10     | 0'63      | 0'07      | 27'24  |
|               | Dharmavaram .                                       | 17               | 0'01     | 0'17      | 0'26   | 0'36   | 1'86 | 2'56  | 1'66  | 3'08    | 4'15       | 5'22     | 1'80      | 0'23      | 21'36  |
|               | Cuddapah . .                                        | 33—34            | 0'11     | 0'01      | 0'24   | 0'32   | 1'61 | 2'62  | 3'48  | 5'14    | 5'75       | 5'33     | 3'12      | 0'72      | 28'45  |
|               | Madnapalle . .                                      | 17               | 0'16     | 0'11      | 0'48   | 0'72   | 2'92 | 2'07  | 2'10  | 3'19    | 4'67       | 7'07     | 4'24      | 1'01      | 28'74  |
|               | Chittoor . . .                                      | 24               | 0'32     | 0'21      | 0'43   | 0'45   | 3'31 | 2'36  | 3'08  | 5'46    | 5'95       | 6'61     | 4'82      | 2'11      | 35'11  |
|               | Vellore . . .                                       | 23—24            | 0'65     | 0'32      | 0'18   | 0'45   | 3'08 | 2'57  | 3'38  | 5'16    | 5'38       | 6'90     | 6'36      | 2'80      | 37'23  |
|               | Chandragiri . .                                     | 17               | 0'32     | 0'25      | 0'35   | 0'50   | 2'25 | 2'51  | 2'85  | 4'04    | 4'94       | 6'52     | 7'40      | 1'73      | 33'66  |
|               | Arcot . . .                                         | 23—24            | 0'43     | 0'56      | 0'41   | 0'49   | 2'51 | 2'61  | 3'46  | 6'03    | 5'31       | 5'91     | 6'03      | 2'45      | 36'20  |
|               | Madras . . .                                        | 74               | 0'95     | 0'29      | 0'41   | 0'64   | 2'24 | 2'09  | 3'79  | 4'43    | 4'71       | 10'81    | 13'75     | 5'15      | 49'26  |
|               | Palmaner . . .                                      | 24               | 0'21     | 0'21      | 0'35   | 0'54   | 2'83 | 2'38  | 2'72  | 4'57    | 5'13       | 6'60     | 4'39      | 1'55      | 31'48  |
|               | Saidapet . . .                                      | 8                | 0'95     | 0'31      | 0'39   | 0'20   | 1'02 | 2'11  | 4'05  | 4'02    | 4'52       | 11'63    | 18'96     | 6'50      | 54'66  |
|               | Chingleput . .                                      | 22—24            | 0'46     | 0'30      | 0'15   | 0'14   | 1'74 | 2'35  | 3'17  | 4'76    | 4'82       | 7'21     | 9'81      | 3'62      | 38'53  |
|               | Conjeeveram . .                                     | 23—24            | 0'51     | 0'40      | 0'16   | 0'33   | 2'23 | 2'36  | 4'09  | 5'95    | 5'99       | 6'66     | 8'52      | 3'06      | 40'26  |
|               | Tindivanam . .                                      | 23—24            | 0'41     | 0'55      | 0'29   | 0'48   | 2'60 | 2'07  | 2'96  | 6'90    | 6'90       | 8'02     | 8'68      | 3'53      | 43'39  |
|               | Cuddalore . . .                                     | 25—26            | 0'96     | 0'28      | 0'36   | 0'91   | 1'55 | 1'39  | 2'26  | 5'09    | 4'65       | 8'09     | 14'12     | 5'72      | 45'38  |
|               | Vriddhachalam .                                     | 23               | 0'45     | 0'31      | 0'21   | 0'45   | 1'99 | 1'27  | 2'57  | 5'42    | 4'91       | 6'38     | 7'19      | 3'70      | 34'85  |
|               | Udayarpalaiyam<br>(Jayankonda cho-<br>lapuram). . . | 22               | 0'82     | 0'32      | 0'15   | 0'68   | 3'20 | 1'68  | 2'68  | 4'90    | 4'51       | 7'22     | 7'65      | 4'17      | 37'98  |
|               | Salem . . .                                         | 26—27            | 0'34     | 0'07      | 0'96   | 1'94   | 4'75 | 3'15  | 3'74  | 5'91    | 6'20       | 7'47     | 2'55      | 0'94      | 38'02  |
|               | Atur . . .                                          | 24               | 0'40     | 0'24      | 0'63   | 1'34   | 4'46 | 1'44  | 2'72  | 4'12    | 4'98       | 7'74     | 4'85      | 1'30      | 34'22  |
|               | Shevaroy Hills .                                    | 23—24            | 0'39     | 0'16      | 0'80   | 2'34   | 6'54 | 5'41  | 7'49  | 10'50   | 8'56       | 10'83    | 6'00      | 3'53      | 62'55  |
|               | Kumbakonam . .                                      | 23—24            | 0'67     | 0'48      | 0'41   | 0'65   | 2'02 | 2'04  | 2'56  | 4'81    | 4'47       | 8'26     | 8'85      | 5'33      | 40'55  |
|               | Tirupatur . . .                                     | 17               | 0'13     | 0'32      | 0'63   | 0'68   | 5'36 | 2'70  | 3'50  | 5'60    | 7'15       | 6'60     | 4'30      | 1'03      | 38'00  |
|               | Hosur . . .                                         | 17               | 0'25     | 0'28      | 0'70   | 1'25   | 4'70 | 1'95  | 2'72  | 5'13    | 5'05       | 5'98     | 3'60      | 1'19      | 32'80  |
|               | Tranquebar . .                                      | 22—23            | 1'22     | 0'37      | 0'08   | 1'09   | 1'65 | 1'29  | 2'10  | 4'00    | 3'55       | 9'64     | 15'77     | 10'02     | 50'78  |
|               | Negapatam . . .                                     | 23—24            | 1'25     | 0'90      | 0'13   | 0'94   | 1'95 | 1'34  | 1'33  | 3'41    | 3'68       | 8'81     | 15'35     | 10'37     | 49'46  |
|               | Tanjore . . .                                       | 23—24            | 0'67     | 0'43      | 0'45   | 0'84   | 1'89 | 1'36  | 1'92  | 3'71    | 4'32       | 6'12     | 5'74      | 4'04      | 31'49  |
|               | Putukota . . .                                      | 17               | 1'24     | 0'83      | 0'34   | 1'06   | 2'30 | 1'90  | 1'69  | 5'48    | 3'43       | 6'67     | 7'79      | 5'53      | 38'26  |
|               | Trichinopoly . .                                    | 33—35            | 1'02     | 0'51      | 0'71   | 1'84   | 3'85 | 1'27  | 2'16  | 4'37    | 5'32       | 7'78     | 5'23      | 3'08      | 37'14  |
|               | Karur . . .                                         | 23—24            | 0'29     | 0'12      | 0'39   | 1'70   | 4'01 | 1'32  | 1'26  | 3'40    | 3'39       | 6'21     | 2'88      | 1'48      | 26'45  |
|               | Coimbatore . .                                      | 24—26            | 0'27     | 0'12      | 0'59   | 1'82   | 2'62 | 1'81  | 1'28  | 1'20    | 1'25       | 5'71     | 3'30      | 1'06      | 21'12  |

TABLE XXVIII.—Average monthly and annual rainfall of 479 stations in India, Ceylon, &amp;c.—continued.

| PROVINCES.           | STATIONS.          | of<br>Number<br>years. | January. | February. | March. | April. | May.  | June. | July. | August. | September. | October. | November. | December. | Total. |
|----------------------|--------------------|------------------------|----------|-----------|--------|--------|-------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| MADRAS—concl'd.      | Kollegal . . .     | 17                     | 0'22     | 0'05      | 0'65   | 1'44   | 6'09  | 2'00  | 2'57  | 5'37    | 5'99       | 8'10     | 2'36      | 0'74      | 35'58  |
|                      | Dindigul . . .     | 24                     | 0'60     | 0'31      | 0'32   | 1'66   | 3'13  | 1'65  | 1'64  | 2'21    | 2'94       | 6'09     | 4'88      | 2'39      | 27'82  |
|                      | Madura . . .       | 26                     | 0'73     | 0'40      | 0'60   | 1'99   | 2'85  | 1'58  | 1'69  | 4'65    | 4'55       | 8'73     | 5'07      | 2'19      | 35'03  |
|                      | Pasumali . . .     | 29—35                  | 0'75     | 0'44      | 0'75   | 2'18   | 3'05  | 1'08  | 2'34  | 4'38    | 4'18       | 7'92     | 4'85      | 2'27      | 34'19  |
|                      | Vattanam . . .     | 16—17                  | 1'23     | 0'99      | 0'69   | 2'82   | 1'93  | 0'86  | 0'84  | 2'05    | 1'98       | 7'28     | 8'62      | 6'69      | 35'98  |
|                      | Periyakulam . . .  | 16—17                  | 0'79     | 0'81      | 1'72   | 2'18   | 2'81  | 1'08  | 0'69  | 1'94    | 2'47       | 6'63     | 5'11      | 1'28      | 27'51  |
|                      | Tinnevelly . . .   | 25—26                  | 1'31     | 0'89      | 1'44   | 1'81   | 1'61  | 0'75  | 0'33  | 0'56    | 0'91       | 6'00     | 9'64      | 3'37      | 28'62  |
|                      | Tuticorin . . .    | 23—24                  | 1'09     | 0'57      | 0'79   | 1'32   | 0'87  | 0'14  | 0'21  | 0'39    | 0'66       | 3'66     | 8'07      | 2'24      | 20'01  |
|                      | Safur . . .        | 17                     | 0'40     | 0'61      | 0'97   | 1'34   | 2'20  | 0'70  | 1'02  | 1'59    | 1'91       | 6'01     | 4'22      | 1'71      | 22'68  |
|                      | Cochin . . .       | 30—31                  | 0'94     | 0'74      | 2'11   | 4'38   | 12'73 | 30'73 | 22'67 | 12'40   | 9'44       | 12'10    | 5'11      | 1'94      | 115'29 |
|                      | Palghat . . .      | 24                     | 0'06     | 0'11      | 0'47   | 1'92   | 4'55  | 17'96 | 20'00 | 10'91   | 6'08       | 7'06     | 3'37      | 0'93      | 73'42  |
|                      | Wellington . . .   | 10—12                  | 0'79     | 0'31      | 2'01   | 2'87   | 4'10  | 3'57  | 3'17  | 3'96    | 4'71       | 9'83     | 8'52      | 4'12      | 47'96  |
|                      | Manantoddy . . .   | 19                     | 0'24     | 0'31      | 1'07   | 2'71   | 4'90  | 22'64 | 31'11 | 17'57   | 7'51       | 5'87     | 2'36      | 0'71      | 97'00  |
|                      | Calicut . . .      | 25—26                  | 0'16     | 0'15      | 0'88   | 2'88   | 9'55  | 34'95 | 29'84 | 14'31   | 7'90       | 8'61     | 3'56      | 1'69      | 114'48 |
|                      | Tellicherry . . .  | 23—24                  | 0'39     | 0'07      | 0'35   | 2'88   | 8'88  | 38'93 | 36'55 | 17'33   | 9'98       | 6'95     | 3'06      | 0'89      | 126'26 |
|                      | Cannanore . . .    | 23—24                  | 0'51     | 0'24      | 0'12   | 1'85   | 7'12  | 38'98 | 36'14 | 17'76   | 8'86       | 7'95     | 3'03      | 0'49      | 123'05 |
|                      | Mangalore . . .    | 28—33                  | 0'16     | 0'08      | 0'12   | 1'99   | 8'07  | 37'83 | 37'86 | 23'08   | 11'32      | 7'99     | 1'91      | 0'53      | 130'94 |
|                      | Bangalore . . .    | 50—51                  | 0'21     | 0'14      | 0'58   | 1'28   | 4'96  | 3'23  | 4'03  | 5'92    | 6'35       | 6'42     | 1'89      | 0'69      | 35'70  |
|                      | Mysore . . .       | 48—50                  | 0'09     | 0'13      | 0'68   | 2'17   | 5'61  | 1'87  | 2'32  | 3'20    | 3'90       | 6'44     | 1'63      | 0'49      | 28'53  |
|                      | Shimoga . . .      | 49—50                  | 0'07     | 0'12      | 0'34   | 1'79   | 3'28  | 4'72  | 6'63  | 4'22    | 3'10       | 5'01     | 1'21      | 0'40      | 30'89  |
| MYSORE AND<br>COORG. | Mercara . . .      | 23                     | 0'29     | 0'04      | 1'09   | 2'18   | 6'12  | 25'83 | 42'11 | 25'71   | 12'30      | 7'36     | 2'63      | 0'62      | 126'88 |
|                      | Kolar . . .        | 17                     | 0'28     | 0'02      | 0'69   | 0'80   | 3'45  | 3'37  | 3'22  | 4'66    | 4'71       | 6'09     | 2'79      | 0'92      | 31'00  |
|                      | Tumkur . . .       | 41                     | 0'19     | 0'24      | 0'38   | 1'22   | 4'56  | 3'86  | 3'52  | 5'25    | 5'28       | 7'03     | 1'41      | 0'38      | 33'32  |
|                      | Chitaldroog . . .  | 17                     | 0'29     | 0'02      | 0'13   | 1'06   | 3'49  | 2'84  | 2'60  | 3'01    | 3'90       | 5'27     | 2'01      | 0'48      | 25'10  |
|                      | Chikmagalur . . .  | 17                     | 0'35     | 0'13      | 0'89   | 1'60   | 5'17  | 4'25  | 6'16  | 3'70    | 3'51       | 7'35     | 2'46      | 0'73      | 36'30  |
|                      | Hassan . . .       | 16                     | 1'13     | 0'14      | 0'57   | 1'12   | 4'54  | 4'15  | 4'66  | 2'82    | 2'47       | 5'11     | 1'64      | 0'74      | 29'09  |
|                      | Jaffna . . .       | 16                     | 2'31     | 1'47      | 1'20   | 2'05   | 2'32  | 1'01  | 0'67  | 1'18    | 2'81       | 9'27     | 14'81     | 9'86      | 48'96  |
|                      | Mannar . . .       | 15—17                  | 2'50     | 1'88      | 1'84   | 2'31   | 2'88  | 0'80  | 0'25  | 0'65    | 0'81       | 8'06     | 10'64     | 7'70      | 40'32  |
|                      | Trincomalee . . .  | 16—17                  | 6'18     | 2'43      | 1'28   | 1'62   | 2'16  | 1'92  | 2'20  | 4'24    | 4'63       | 8'85     | 13'13     | 13'23     | 61'87  |
|                      | Batticaloa . . .   | 16—17                  | 8'09     | 3'31      | 3'21   | 1'48   | 1'95  | 1'23  | 0'85  | 2'77    | 2'30       | 5'49     | 12'94     | 15'71     | 59'33  |
| CEYLON . . .         | Hambantota . . .   | 17                     | 3'34     | 1'83      | 2'10   | 1'85   | 3'76  | 2'12  | 1'26  | 1'49    | 2'55       | 5'12     | 6'69      | 4'28      | 36'39  |
|                      | Galle . . .        | 17                     | 4'40     | 3'27      | 4'66   | 8'74   | 11'59 | 8'19  | 5'72  | 5'25    | 7'61       | 13'00    | 11'50     | 6'66      | 90'59  |
|                      | Ratnapura . . .    | 17                     | 5'19     | 4'29      | 8'62   | 11'50  | 18'52 | 19'96 | 12'22 | 13'70   | 14'71      | 18'34    | 14'74     | 8'53      | 150'32 |
|                      | Colombo . . .      | 17                     | 3'04     | 1'71      | 5'49   | 8'75   | 13'24 | 8'22  | 5'47  | 4'48    | 4'92       | 12'87    | 12'71     | 6'38      | 87'28  |
|                      | Kandy . . .        | 17                     | 5'03     | 2'61      | 3'07   | 6'94   | 6'75  | 9'07  | 7'84  | 6'25    | 5'84       | 11'28    | 11'59     | 8'38      | 84'65  |
|                      | Newera Eliya . . . | 16—17                  | 5'59     | 2'48      | 2'97   | 5'58   | 8'24  | 14'39 | 13'74 | 9'36    | 8'86       | 10'52    | 9'16      | 7'92      | 98'81  |
|                      | Puttalam . . .     | 16—17                  | 1'86     | 1'49      | 2'67   | 5'50   | 4'26  | 1'76  | 0'49  | 1'01    | 1'28       | 6'97     | 10'88     | 5'53      | 43'70  |
|                      | Anuradhapura . . . | 16—17                  | 2'77     | 1'38      | 3'08   | 7'26   | 3'93  | 1'70  | 0'94  | 2'56    | 3'09       | 7'08     | 13'07     | 8'37      | 55'23  |
|                      | Akyab . . .        | 29—30                  | 0'14     | 0'18      | 0'51   | 1'61   | 12'16 | 51'55 | 51'02 | 38'57   | 22'96      | 12'35    | 3'85      | 0'59      | 195'49 |
|                      | Kyaukpyu . . .     | 21                     | 0'08     | 0'05      | 0'30   | 0'81   | 9'72  | 40'89 | 46'36 | 42'53   | 21'77      | 10'16    | 4'52      | 0'52      | 177'71 |
| BURMA . . .          | Sandoway . . .     | 24—26                  | 0'07     | 0'06      | 0'15   | 1'15   | 13'54 | 50'70 | 60'34 | 48'41   | 24'54      | 10'84    | 3'23      | 0'19      | 213'22 |

TABLE XXVIII.—Average monthly and annual rainfall of 479 stations in India, Ceylon, &amp;c.—concluded.

| PROVINCES.           | STATIONS.        | Number of years. | January. | February. | March. | April. | May.  | June. | July. | August. | September. | October. | November. | December. | Total. |
|----------------------|------------------|------------------|----------|-----------|--------|--------|-------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| BURMA—contd.         | Rangoon . . .    | 17               | 0'16     | 0'15      | 0'05   | 1'81   | 10'86 | 18'39 | 21'29 | 18'62   | 16'04      | 8'08     | 3'38      | 0'07      | 98'90  |
|                      | Bassein . . .    | 17               | 0'12     | 0'26      | 0'06   | 1'23   | 7'94  | 18'61 | 24'76 | 22'55   | 15'2       | 8'07     | 4'19      | 0'11      | 103'02 |
|                      | Diamond Island   | 7—9              | 0'39     | 0'19      | 0'01   | 1'61   | 9'38  | 23'14 | 25'55 | 21'83   | 18'24      | 10'01    | 9'45      | 1'53      | 121'33 |
|                      | Henzada . . .    | 16               | 0'05     | 0'31      | ...    | 0'60   | 6'78  | 16'04 | 20'75 | 17'19   | 11'22      | 5'06     | 2'23      | 0'04      | 80'27  |
|                      | Myanaung . . .   | 12—13            | 0'03     | 0'05      | 0'02   | 0'95   | 5'01  | 10'51 | 9'81  | 9'68    | 9'21       | 4'49     | 2'14      | 0'15      | 52'05  |
|                      | Prome . . .      | 17               | 0'01     | ...       | 0'01   | 0'79   | 5'70  | 9'67  | 8'78  | 10'82   | 7'70       | 5'12     | 2'13      | 0'03      | 50'76  |
|                      | Thayetmyo . . .  | 17               | 0'01     | 0'03      | 0'06   | 0'69   | 5'30  | 7'91  | 7'97  | 8'46    | 7'78       | 4'94     | 2'32      | 0'04      | 45'51  |
|                      | Toungoo . . .    | 17               | 0'02     | 0'17      | 0'03   | 1'53   | 6'59  | 13'38 | 17'49 | 18'13   | 11'80      | 7'39     | 1'35      | 0'20      | 78'08  |
|                      | Shwegyin . . .   | 18               | 0'03     | 0'45      | 0'33   | 2'30   | 10'89 | 30'00 | 33'75 | 32'46   | 19'39      | 10'07    | 2'03      | 0'10      | 141'80 |
|                      | Moulmein . . .   | 37               | 0'02     | 0'06      | 0'12   | 3'04   | 19'65 | 38'36 | 43'88 | 42'98   | 30'34      | 8'41     | 1'46      | 0'02      | 188'34 |
|                      | Tavoy . . .      | 29—30            | 0'18     | 0'56      | 0'71   | 4'01   | 16'63 | 39'90 | 45'98 | 41'85   | 33'72      | 10'45    | 2'31      | 0'14      | 196'44 |
|                      | Mergui . . .     | 22—23            | 0'45     | 1'49      | 2'25   | 5'50   | 16'11 | 29'97 | 31'87 | 28'08   | 26'41      | 13'36    | 3'41      | 0'52      | 159'42 |
| BAY ISLANDS .        | Port Blair . . . | 19               | 0'91     | 1'34      | 0'43   | 2'37   | 15'93 | 17'89 | 16'49 | 15'19   | 19'64      | 11'81    | 9'50      | 5'33      | 116'83 |
|                      | Nancowry . . .   | 13—14            | 3'04     | 1'28      | 1'95   | 4'98   | 12'49 | 12'81 | 12'75 | 11'52   | 10'72      | 13'39    | 12'75     | 11'89     | 109'57 |
| STRAITS SETTLEMENTS. | Singapore . . .  | 18               | 7'72     | 5'81      | 6'20   | 6'64   | 7'05  | 6'96  | 5'62  | 8'36    | 6'68       | 8'46     | 10'21     | 10'21     | 89'92  |

TABLE XXIX.—Comparison of the monthly and total rainfall in 1886, with the averages of Table XXVIII.

| PROVINCES.   | STATIONS.          | January. | February. | March. | April. | May.   | June.  | July.   | August. | September. | October. | November. | December. | Total.  |
|--------------|--------------------|----------|-----------|--------|--------|--------|--------|---------|---------|------------|----------|-----------|-----------|---------|
| ARABIA .     | Aden . . .         | — 0'24   | — 0'33    | — 0'66 | — 0'26 | — 0'19 | 0      | — 0'02  | — 0'09  | + 0'30     | 0        | — 0'09    | — 0'35    | — 1'93  |
| PERSIA .     | Bushire . . .      | + 0'38   | + 2'88    | — 0'21 | — 0'36 | 0      | 0      | 0       | 0       | 0          | 0        | — 1'64    | — 3'08    | — 2'03  |
| LAKHADIVES . | Amini Divi . . .   | — 0'03   | — 0'30    | — 0'03 | ?      | ?      | — 2'02 | + 4'96  | + 2'08  | + 6'46     | — 3'70   | — 2'25    | — 0'42    | ?       |
| BELUCHISTAN. | Kelat . . .        | + 0'67   | — 0'92    | + 0'60 | — 0'71 | + 0'15 | — 0'06 | — 0'30  | — 0'47  | — 0'01     | — 0'09   | + 0'04    | — 0'35    | — 1'45  |
|              | Quetta . . .       | + 0'44   | + 0'23    | + 1'61 | — 1'21 | — 0'10 | — 0'12 | — 0'22  | — 0'57  | — 0'23     | — 0'10   | + 0'21    | — 0'19    | — 0'25  |
| KASHMIR .    | Leh . . .          | + 0'10   | + 0'06    | + 0'33 | + 0'08 | — 0'09 | + 0'35 | — 0'25  | — 0'18  | — 0'13     | — 0'41   | — 0'03    | — 0'03    | — 0'20  |
|              | Abbottabad . . .   | + 1'90   | + 0'87    | + 2'06 | — 0'88 | + 0'40 | — 0'78 | — 3'13  | + 0'83  | + 0'44     | + 0'39   | — 0'20    | + 1'13    | + 3'03  |
|              | Murree . . .       | + 2'84   | + 0'60    | + 6'38 | — 1'72 | + 0'28 | — 1'83 | + 1'19  | — 6'47  | — 0'66     | + 0'76   | — 1'22    | + 1'28    | + 1'43  |
|              | Chamba . . .       | ?        | ?         | ?      | ?      | ?      | ?      | ?       | ?       | + 0'49     | + 0'47   | — 0'49    | + 0'88    | ?       |
| PUNJAB .     | Dharmasala . . .   | + 2'58   | — 3'11    | + 2'12 | — 1'86 | + 2'07 | — 2'78 | + 12'78 | + 1'38  | — 2'47     | + 2'22   | — 0'35    | — 0'40    | + 12'18 |
|              | Kailang . . .      | — 0'86   | — 0'03    | + 0'41 | + 0'16 | + 0'97 | — 1'07 | + 0'40  | — 0'40  | — 0'62     | — 0'22   | — 0'65    | + 0'39    | — 1'52  |
|              | Kilba . . .        | + 7'52   | + 2'30    | + 2'87 | — 1'49 | + 5'10 | + 0'04 | + 0'56  | — 2'02  | — 5'08     | — 0'31   | — 2'96    | — 0'56    | + 5'97  |
|              | Simla . . .        | + 3'40   | — 1'70    | + 1'32 | — 2'53 | — 0'52 | — 4'01 | + 6'36  | — 9'41  | — 3'25     | + 0'77   | — 0'07    | + 0'20    | — 9'44  |
|              | Peshawar . . .     | + 2'38   | — 0'07    | + 3'92 | — 0'62 | + 0'85 | — 0'33 | — 0'22  | — 2'00  | — 0'61     | — 0'15   | — 0'37    | — 0'10    | + 2'68  |
|              | Kohat . . .        | + 1'34   | + 0'36    | + 1'87 | + 0'09 | + 1'18 | — 0'51 | — 3'08  | — 1'11  | — 0'58     | — 0'01   | — 0'51    | — 0'28    | — 1'84  |
|              | Bannu . . .        | + 1'43   | — 0'01    | + 3'02 | — 0'57 | + 0'70 | — 1'02 | + 1'36  | — 0'77  | — 0'79     | — 0'18   | + 0'25    | — 0'25    | + 3'17  |
|              | Dera Ismail Khan . | + 1'66   | — 0'60    | + 1'14 | — 0'75 | — 0'16 | — 0'49 | + 1'45  | — 1'58  | — 0'55     | — 0'13   | + 0'10    | — 0'03    | + 0'06  |
|              | Dera Ghazi Khan .  | + 1'67   | — 0'33    | + 0'69 | — 0'34 | — 0'02 | — 0'51 | 0       | — 1'26  | — 0'43     | — 0'06   | + 0'28    | — 0'27    | — 0'58  |
|              | Muzaffargarh . . . | + 0'88   | — 0'25    | + 0'48 | — 0'38 | + 0'49 | — 0'17 | — 0'29  | — 1'46  | — 0'64     | — 0'08   | + 0'62    | — 0'27    | — 1'07  |

TABLE XXIX.—Comparison of the monthly and total rainfall in 1886, with the averages of Table XXVIII—continued.

| PROVINCES. | STATIONS.     | January. | February. | March. | April. | May.   | June.  | July.  | August. | September. | October. | November. | December. | Total. |
|------------|---------------|----------|-----------|--------|--------|--------|--------|--------|---------|------------|----------|-----------|-----------|--------|
| PUNJAB     | Mooltan .     | + 1'05   | 0'27      | + 0'91 | 0'34   | 0'42   | 0'35   | + 0'80 | 1'26    | 0'78       | 0'11     | + 0'51    | 0'25      | 0'51   |
|            | Jhang .       | + 0'82   | 0'41      | + 0'27 | 0'44   | 0'51   | + 0'79 | 1'37   | 1'90    | 0'72       | 0'19     | 0'05      | 0'34      | 4'05   |
|            | Montgomery .  | + 0'14   | 0'62      | 0'32   | 0'26   | + 0'21 | + 1'21 | + 0'90 | 0'79    | 1'00       | 0'18     | + 0'04    | 0'24      | 0'91   |
|            | Shahpur .     | + 0'37   | 0'56      | + 2'36 | 0'64   | + 0'31 | 1'03   | + 4'11 | 2'63    | + 0'32     | 0'16     | 0'23      | 0'38      | 1'84   |
|            | Rawalpindi .  | + 1'33   | 0'37      | + 3'09 | 1'50   | + 0'43 | 1'00   | 1'38   | + 1'44  | 1'70       | + 0'24   | 0'76      | + 1'43    | 1'25   |
|            | Jhelum .      | + 1'58   | 0'81      | + 2'74 | 0'18   | + 0'57 | + 2'54 | 0'69   | + 0'47  | 2'26       | + 1'42   | 0'34      | + 0'41    | 5'45   |
|            | Gujrat .      | + 2'37   | 1'34      | + 2'09 | 1'17   | + 0'48 | 2'04   | 0'27   | 2'68    | 2'29       | + 1'93   | 0'32      | 0'30      | 0'54   |
|            | Sialkot .     | + 2'74   | 1'41      | + 2'46 | 1'46   | + 0'06 | 9'69   | + 3'49 | 0'06    | 2'30       | + 0'22   | 0'36      | + 0'09    | 13'16  |
|            | Gujranwala .  | + 2'28   | 1'26      | + 2'60 | 0'86   | 0'18   | + 6'42 | 0'88   | 0'87    | 2'00       | + 0'62   | 0'26      | 0'60      | 6'77   |
|            | Gurdaspur .   | + 2'27   | 1'29      | + 4'04 | 0'54   | + 2'15 | + 5'35 | + 8'90 | 0'50    | + 1'74     | 0'19     | 0'18      | + 0'91    | 22'66  |
|            | Dhariwal .    | P        | P         | P      | P      | P      | P      | P      | 1'32    | 2'03       | + 0'74   | 0         | + 0'48    | ?      |
|            | Lahore .      | + 1'62   | 0'92      | + 1'28 | 0'59   | 0'87   | + 2'15 | + 4'15 | 0'65    | 1'42       | + 1'70   | 0'09      | 0'39      | 5'97   |
|            | Amritsar .    | + 0'68   | 0'72      | + 2'61 | 0'43   | 0'73   | + 6'01 | + 5'08 | 5'71    | 2'63       | + 1'28   | 0'24      | 0'59      | 4'61   |
|            | Ferozepore .  | + 1'00   | 0'49      | + 0'94 | 0'58   | 0'65   | + 4'02 | 1'94   | 3'62    | 2'52       | + 0'89   | + 0'14    | 0'50      | 3'31   |
|            | Jullundur .   | + 1'69   | 1'26      | + 1'91 | 0'16   | 0'82   | + 0'18 | 1'06   | 0'82    | 3'11       | + 0'70   | 0'09      | + 0'66    | 5'26   |
|            | Hoshiarpur .  | + 1'41   | 1'59      | + 2'24 | 0'66   | + 2'02 | 1'22   | + 7'07 | 1'85    | 3'07       | + 3'20   | + 0'01    | 0'40      | 10'86  |
|            | Ludhiana .    | + 1'63   | 0'94      | + 1'49 | 0'85   | 0'77   | 0'47   | + 4'71 | 2'28    | 3'41       | + 1'37   | + 0'31    | 0'21      | 0'58   |
|            | Umballa .     | + 1'15   | 1'34      | + 0'80 | 0'62   | + 0'53 | + 0'61 | + 3'42 | 0'24    | 2'28       | + 0'23   | 0'22      | 0'57      | 1'47   |
|            | Sirsa .       | + 0'01   | 0'31      | 0'45   | 0'38   | 0'30   | + 0'89 | + 2'20 | 1'36    | 1'97       | + 0'26   | 0'01      | 0'32      | 1'74   |
|            | Hissar .      | + 0'66   | 0'43      | + 1'90 | 0'26   | 0'28   | + 1'59 | + 5'64 | 0'59    | 1'85       | + 0'08   | 0'06      | 0'46      | 7'12   |
|            | Rohtak .      | + 1'93   | 0'55      | + 0'28 | 0'27   | 0'28   | 0'57   | + 5'01 | 0'77    | 2'38       | + 0'06   | 0'03      | 0'48      | 1'95   |
|            | Delhi .       | + 0'27   | 0'39      | 0'46   | 0'36   | 0'15   | + 7'05 | + 1'15 | 2'20    | 3'28       | + 0'77   | 0'07      | 0'30      | 2'03   |
|            | Gurgaon .     | 0'19     | 0'20      | 0'04   | 0'16   | 0'23   | + 6'93 | + 1'92 | 5'71    | 4'02       | + 0'26   | 0'02      | 0'30      | 1'76   |
|            | Karnal .      | 0'26     | 1'02      | + 0'16 | 0'08   | + 0'94 | + 2'72 | + 4'00 | 2'22    | 3'47       | + 0'09   | 0'08      | + 0'18    | 0'96   |
|            | Jeysulmere .  | 0'19     | 0'05      | + 0'04 | 0'05   | 0'23   | + 0'35 | + 1'04 | 0'67    | 0'98       | 0        | 0         | 0         | 0'60   |
|            | Phalodi .     | P        | P         | P      | P      | P      | + 1'15 | + 0'93 | 2'90    | 1'33       | 0        | 0         | 0         | ?      |
|            | Bhatki .      | P        | P         | P      | P      | P      | P      | ?      | + 0'47  | 0'86       | + 0'07   | 0         | 0         | ?      |
|            | Bickaneer .   | 0'17     | 0'24      | + 0'02 | 0'20   | 0'64   | + 0'76 | 0'28   | 1'47    | 1'49       | 0'08     | 0'08      | 0'02      | 3'89   |
|            | Nagar .       | 0'04     | 0'02      | 0'01   | 0'01   | 0'16   | + 0'17 | + 1'67 | 0'81    | 3'56       | 0'06     | 0         | 0         | 2'83   |
|            | Didwana .     | P        | P         | P      | P      | P      | + 1'57 | + 1'32 | 1'16    | 2'75       | + 0'13   | 0'13      | 0'12      |        |
|            | Jhunjhnu .    | 0'37     | 0         | + 0'59 | 0'06   | + 1'43 | 2'62   | + 7'74 | 2'51    | 3'16       | 0        | 0         | 0'15      | 0'89   |
|            | Ulwur .       | 0'03     | 0'38      | + 0'32 | 0'09   | 0'93   | 0'23   | + 4'50 | 6'87    | 2'82       | 0'49     | 0'14      | 0'46      | 7'62   |
|            | Bhurlpore .   | 0'12     | 0'19      | + 0'54 | 0'13   | 0'35   | + 0'51 | + 2'31 | 2'45    | 2'58       | 0'22     | 0'02      | 0'25      | 2'95   |
| RAJPUTANA  | Jeypore .     | + 0'31   | 0'16      | 0'12   | 0'20   | 0'32   | 1'68   | + 1'33 | 1'47    | 1'86       | + 0'77   | 0'06      | 0'41      | 3'87   |
|            | Sambhar .     | 0'14     | 0'10      | 0'15   | 0'13   | + 0'30 | 0'78   | + 0'88 | 3'12    | 2'55       | 0'05     | 0'18      | 0'40      | 0'18   |
|            | Kerowlee .    | 0'13     | 0'02      | 0'08   | 0'06   | + 0'18 | 0'44   | 1'90   | 3'85    | 3'83       | + 0'65   | 0         | 0'28      | 9'76   |
|            | Lalsot .      | 0'08     | 0'07      | 0      | 0      | + 0'27 | 1'76   | + 1'41 | 1'02    | 2'27       | + 0'11   | 0         | 0'20      | 1'57   |
|            | Tonk .        | + 0'03   | 0'22      | 0'15   | 0'08   | + 0'61 | + 0'86 | 2'77   | + 0'72  | 2'67       | 0'58     | + 0'12    | 0'20      | 4'33   |
|            | Deoli .       | 0'23     | 0'16      | 0'13   | 0'17   | + 0'76 | 1'38   | 1'25   | 4'33    | 3'45       | 0'20     | 0'12      | 0'18      | 10'84  |
|            | Kotah .       | + 0'14   | 0'25      | 0'04   | 0'02   | + 2'80 | + 4'21 | 2'64   | + 0'77  | 3'42       | 0'17     | + 0'29    | 0'29      | 1'38   |
|            | Jhalrapatan . | 0'18     | 0'38      | 0'18   | 0'02   | 0'16   | + 2'99 | 3'94   | 0'10    | 5'48       | + 1'49   | + 0'11    | 0'33      | 6'18   |

TABLE XXIX.—Comparison of the monthly and total rainfall in 1886, with the averages of Table XXVIII—continued.

| PROVINCES.                 | STATIONS.         | January. | February. | March. | April. | May.   | June.  | July.  | August. | September. | October. | November. | December. | Total.  |
|----------------------------|-------------------|----------|-----------|--------|--------|--------|--------|--------|---------|------------|----------|-----------|-----------|---------|
| RAJPUTANA<br><i>contd.</i> | Ajmere .          | — 0'01   | — 0'25    | — 0'38 | — 0'09 | + 0'23 | — 0'59 | — 2'99 | — 2'70  | — 1'93     | + 1'69   | — 0'12    | — 0'27    | — 7'41  |
|                            | Nusseerabad .     | — 0'03   | — 0'44    | — 0'10 | — 0'03 | — 0'26 | — 0'53 | — 3'58 | — 1'06  | — 3'20     | + 0'24   | — 0'12    | — 0'28    | — 9'39  |
|                            | Malpura .         | + 0'16   | 0         | 0      | 0      | + 0'66 | — 0'22 | 0      | — 0'38  | — 2'33     | + 0'14   | 0         | — 0'13    | — 2'10  |
|                            | Beawar .          | — 0'22   | — 0'12    | — 0'15 | — 0'10 | — 0'32 | — 0'47 | — 3'88 | — 2'04  | — 2'98     | + 0'28   | — 0'15    | — 0'20    | — 10'35 |
|                            | Jodhpore .        | — 0'27   | — 0'16    | — 0'04 | + 0'01 | + 0'07 | + 3'71 | — 1'54 | + 0'13  | — 2'31     | — 0'22   | — 0'04    | — 0'08    | — 0'74  |
|                            | Pachpadra .       | — 0'42   | — 0'00    | + 0'18 | 0      | — 0'65 | + 0'98 | + 2'13 | + 0'68  | — 2'37     | — 0'06   | — 0'01    | — 0'05    | + 0'38  |
|                            | Jasol .           | — 0'07   | 0         | + 0'43 | 0      | — 0'18 | + 2'03 | — 1'83 | + 0'60  | — 1'90     | + 0'10   | 0         | 0         | — 0'82  |
|                            | Barmer .          | — 0'11   | — 0'01    | + 0'27 | + 0'08 | — 0'07 | + 1'57 | — 1'34 | + 2'09  | — 1'04     | 0        | — 0'01    | 0         | + 1'43  |
|                            | Pali .            | — 0'18   | 0         | 0      | 0      | — 0'26 | + 3'23 | — 1'80 | + 1'68  | — 1'48     | + 0'45   | 0         | 0         | + 1'64  |
|                            | Shahpoora .       | — 0'05   | — 0'20    | — 0'16 | — 0'05 | + 1'47 | + 3'08 | — 2'99 | + 3'22  | — 4'02     | — 0'23   | — 0'05    | — 0'20    | — 0'18  |
|                            | Erinpura .        | 0        | — 0'26    | + 0'54 | — 0'03 | — 0'46 | + 7'66 | + 1'63 | + 4'15  | — 0'30     | + 1'54   | — 0'08    | — 0'13    | + 14'26 |
|                            | Sirohee .         | — 0'12   | 0         | 0      | 0      | — 0'15 | + 0'99 | — 4'98 | + 0'67  | — 1'61     | 0        | 0         | 0         | — 5'20  |
|                            | Mount Abu .       | — 0'16   | — 0'35    | + 0'09 | — 0'04 | — 0'07 | + 2'18 | + 5'49 | — 1'43  | — 6'78     | — 2'02   | — 0'17    | — 0'22    | — 3'48  |
|                            | Kotra .           | — 0'05   | — 0'21    | + 0'02 | — 0'02 | — 0'56 | + 1'92 | + 6'19 | + 3'33  | — 2'83     | + 3'71   | — 0'09    | — 0'10    | + 11'31 |
|                            | Oodeypore .       | — 0'01   | — 0'17    | + 0'05 | + 0'46 | — 0'41 | + 1'33 | + 0'30 | + 6'64  | — 1'98     | + 0'20   | 0         | — 0'04    | + 6'37  |
|                            | Partabgarh .      | — 0'22   | — 0'07    | — 0'03 | 0      | + 0'05 | — 2'70 | + 1'11 | + 5'95  | — 6'20     | + 2'97   | 0         | — 0'13    | + 0'73  |
|                            | Kherwara .        | — 0'08   | — 0'17    | — 0'03 | — 0'03 | — 0'09 | + 4'05 | — 0'89 | + 2'03  | — 3'65     | + 1'35   | — 0'04    | — 0'07    | + 2'38  |
|                            | Banswara .        | — 0'47   | — 0'15    | 0      | 0      | + 0'05 | + 3'41 | — 1'38 | + 5'85  | — 7'82     | + 2'58   | 0         | — 0'40    | + 1'67  |
|                            | Neemuch .         | — 0'10   | — 0'15    | — 0'11 | — 0'08 | + 0'12 | + 3'88 | — 5'62 | + 2'75  | — 4'37     | + 2'02   | — 0'03    | — 0'10    | — 1'79  |
| CENTRAL<br>INDIA.          | Sirdarpore .      | — 0'21   | — 0'24    | — 0'01 | — 0'01 | + 0'38 | + 1'62 | — 1'33 | — 0'20  | — 7'26     | + 5'03   | — 0'10    | — 0'15    | — 2'48  |
|                            | Agar .            | — 0'16   | — 0'32    | + 0'08 | — 0'07 | + 1'50 | — 1'60 | — 4'98 | + 0'31  | — 6'20     | + 0'87   | — 0'06    | — 0'22    | — 10'85 |
|                            | Rutlam .          | — 0'20   | — 0'23    | 0      | — 0'01 | + 0'42 | + 0'71 | — 5'85 | + 2'09  | — 5'65     | + 5'95   | — 0'01    | — 0'11    | — 2'89  |
|                            | Indore .          | — 0'34   | — 0'26    | — 0'02 | — 0'08 | + 3'63 | + 4'30 | — 2'42 | — 1'39  | — 7'48     | + 2'50   | — 0'15    | + 0'16    | — 1'55  |
|                            | Bhopal (Sehore) . | — 0'55   | — 0'14    | — 0'06 | — 0'03 | + 0'17 | + 3'40 | — 2'89 | — 5'89  | — 8'03     | + 4'00   | — 0'25    | + 0'32    | — 9'95  |
|                            | Goona .           | — 0'04   | — 0'07    | + 0'02 | — 0'07 | — 0'23 | — 2'87 | — 1'71 | + 0'46  | — 4'41     | + 3'20   | + 0'03    | + 0'10    | — 5'59  |
|                            | Morar .           | + 0'12   | — 0'29    | — 0'23 | — 0'11 | — 0'36 | — 1'23 | + 5'54 | — 3'46  | — 4'45     | + 2'49   | — 0'02    | — 0'35    | — 2'35  |
|                            | Nowgong .         | — 0'26   | — 0'19    | + 0'76 | — 0'09 | + 0'53 | — 1'75 | + 1'77 | — 3'88  | — 1'68     | + 3'84   | — 0'09    | + 2'80    | + 1'76  |
|                            | Sutna .           | — 0'06   | — 0'34    | + 0'51 | — 0'06 | + 0'09 | — 2'70 | + 4'70 | — 7'74  | + 0'22     | + 4'97   | — 0'18    | + 0'86    | + 0'27  |
|                            | Nagode .          | — 0'73   | — 0'36    | + 1'13 | — 0'19 | + 0'45 | — 2'19 | + 1'44 | — 7'59  | — 2'02     | + 3'84   | — 0'13    | + 1'09    | — 5'26  |
|                            | Maihar .          | — 0'38   | — 0'29    | — 0'01 | — 0'05 | — 0'07 | — 1'12 | + 6'47 | — 3'57  | — 2'14     | + 3'81   | — 0'52    | + 0'96    | + 3'09  |
|                            | Rewah .           | — 0'17   | — 0'81    | + 0'35 | — 0'31 | + 0'73 | + 1'64 | — 0'58 | — 7'21  | — 1'12     | + 3'16   | — 0'19    | + 0'62    | — 3'89  |
|                            | Chandia .         | — 0'49   | — 0'13    | + 0'50 | — 0'03 | — 0'09 | — 4'39 | — 0'74 | — 9'13  | + 0'04     | + 4'77   | — 0'30    | + 0'13    | — 9'86  |
|                            | Ramnagar .        | — 0'52   | + 0'21    | + 0'34 | — 0'01 | — 0'13 | — 2'89 | + 3'88 | — 6'14  | + 2'09     | + 3'99   | — 0'18    | — 0'26    | + 0'38  |
|                            | Sihawal (Bardi) . | + 0'01   | + 0'08    | + 2'56 | — 0'04 | + 0'37 | + 2'27 | + 1'09 | — 6'10  | + 1'08     | + 5'35   | + 0'21    | — 0'85    | + 6'03  |
|                            | Sitlaha .         | + 0'53   | — 0'05    | + 0'45 | — 0'02 | — 0'51 | — 0'20 | + 5'57 | — 6'44  | + 2'23     | + 3'98   | — 0'28    | + 0'36    | + 5'72  |
|                            | Sohagpur .        | — 0'93   | — 0'30    | + 1'16 | + 0'35 | + 0'34 | + 3'86 | + 2'08 | — 6'00  | — 2'88     | + 4'14   | — 0'70    | — 0'57    | + 0'55  |
|                            | Chakrata .        | + 2'74   | — 0'56    | + 2'07 | — 1'41 | + 0'41 | — 5'03 | — 1'35 | — 3'05  | — 3'87     | — 0'26   | — 0'18    | + 0'42    | — 10'07 |
| N.-W. PRO-<br>VINCES.      | Mussooree .       | + 2'20   | — 2'23    | + 1'96 | — 1'19 | + 3'27 | — 5'51 | + 6'80 | + 6'97  | — 6'43     | + 1'38   | — 0'25    | + 0'66    | + 7'63  |
|                            | Srinagar .        | + 0'61   | + 0'25    | + 2'11 | — 0'79 | + 1'99 | — 1'78 | + 0'80 | + 0'96  | + 0'62     | + 0'50   | — 0'19    | — 0'32    | + 4'84  |
|                            | Pauri .           | — 0'22   | — 1'07    | + 2'52 | — 1'07 | + 0'63 | + 1'17 | — 0'32 | — 2'40  | — 3'57     | + 0'03   | — 0'27    | — 0'46    | — 5'03  |
|                            | Ranikhet .        | + 1'29   | — 1'03    | + 3'97 | — 1'13 | + 0'37 | — 2'62 | + 1'32 | + 9'54  | — 3'95     | — 0'13   | — 0'17    | — 0'98    | + 6'48  |

TABLE XXIX.—Comparison of the monthly and total rainfall in 1886, with the averages of Table XXVIII—continued.

| PROVINCES.                 | STATIONS.         | January. | February. | March. | April. | May.   | June.  | July.   | August. | September. | October. | November. | December. | Total.  |
|----------------------------|-------------------|----------|-----------|--------|--------|--------|--------|---------|---------|------------|----------|-----------|-----------|---------|
| N.-W. PROVINCES—<br>contd. | Almora . .        | + 0'62   | — 1'29    | + 3'69 | — 0'98 | + 1'95 | — 0'16 | — 4'26  | + 3'29  | — 3'52     | — 0'12   | — 0'19    | — 0'63    | — 1'60  |
|                            | Pithoragarh . .   | + 0'62   | — 0'86    | + 3'51 | — 0'66 | + 4'19 | — 3'06 | + 1'53  | + 4'58  | + 0'01     | + 0'01   | — 0'05    | — 0'72    | + 9'10  |
|                            | Naini Tal . .     | — 0'56   | — 2'05    | + 3'31 | — 0'86 | + 3'12 | — 3'35 | — 8'64  | + 23'37 | — 8'82     | + 10'11  | — 0'19    | — 1'37    | + 4'13  |
|                            | Dehra Dun . .     | + 1'11   | — 0'18    | + 1'43 | — 0'65 | + 2'02 | — 0'85 | + 10'49 | + 3'53  | — 1'20     | + 2'95   | — 0'11    | + 0'41    | + 18'95 |
|                            | Saharanpur . .    | + 0'24   | — 1'26    | — 0'32 | — 0'38 | + 1'53 | + 1'55 | — 5'81  | + 1'01  | — 1'92     | — 0'44   | — 0'17    | + 0'43    | — 5'54  |
|                            | Roorkee . .       | + 1'05   | — 1'09    | — 0'22 | — 0'35 | + 0'61 | — 0'53 | — 2'93  | — 0'30  | — 3'83     | — 0'26   | — 0'12    | — 0'29    | — 8'26  |
|                            | Muzaffarnagar . . | + 0'01   | — 0'92    | — 0'04 | — 0'40 | + 0'66 | + 0'89 | — 3'16  | + 3'00  | — 1'57     | 0        | — 0'09    | — 0'16    | — 1'78  |
|                            | Bijnor . .        | + 0'37   | — 1'06    | + 1'49 | — 0'46 | + 1'41 | + 0'70 | — 3'48  | + 2'06  | — 3'22     | — 0'29   | — 0'07    | — 0'33    | — 2'88  |
|                            | Meerut . .        | + 0'40   | — 0'57    | + 0'58 | — 0'40 | + 2'88 | + 2'38 | — 3'09  | + 4'23  | — 0'52     | + 0'11   | — 0'05    | — 0'08    | + 5'87  |
|                            | Moradabad . .     | + 0'43   | — 0'99    | + 1'33 | — 0'34 | + 1'02 | — 0'36 | — 1'63  | + 8'91  | + 0'79     | — 0'27   | — 0'11    | — 0'41    | + 8'37  |
|                            | Rudarpur . .      | + 0'22   | — 1'15    | + 1'66 | — 0'25 | + 0'54 | + 2'48 | — 4'34  | + 2'78  | — 1'95     | — 0'81   | — 0'05    | — 0'53    | — 1'40  |
|                            | Pilibhit . .      | + 0'55   | — 1'16    | + 2'16 | — 0'27 | + 1'01 | — 0'62 | — 6'39  | + 10'46 | + 2'57     | + 0'25   | 0         | — 0'58    | + 7'98  |
|                            | Bulandshahr . .   | + 0'60   | — 0'81    | + 0'89 | — 0'25 | + 1'50 | + 4'66 | — 7'24  | + 11'39 | — 3'60     | — 0'14   | — 0'05    | — 0'43    | + 6'52  |
|                            | Bareilly . .      | + 0'07   | — 0'72    | + 2'28 | — 0'26 | + 0'81 | + 4'78 | — 2'89  | + 7'08  | — 0'10     | — 0'53   | — 0'07    | — 0'29    | + 10'16 |
|                            | Budaun . .        | — 0'09   | — 0'52    | + 2'16 | — 0'12 | — 0'13 | + 2'29 | — 2'23  | + 12'29 | + 5'16     | — 0'12   | — 0'05    | — 0'11    | + 18'53 |
|                            | Shahjahanpur . .  | — 0'59   | — 0'64    | + 1'58 | — 0'18 | + 0'15 | + 5'58 | — 3'16  | + 9'89  | + 2'56     | + 1'82   | — 0'09    | — 0'29    | + 16'63 |
|                            | Aligarh . .       | — 0'26   | — 0'46    | + 0'48 | — 0'19 | + 0'67 | + 3'97 | + 2'91  | — 0'39  | + 3'05     | — 0'09   | — 0'02    | — 0'28    | + 9'39  |
|                            | Muttra . .        | — 0'01   | — 0'31    | + 0'94 | — 0'19 | — 0'38 | + 2'58 | + 3'57  | — 0'22  | — 3'68     | — 0'11   | — 0'02    | — 0'26    | + 1'91  |
|                            | Agra . .          | — 0'10   | — 0'28    | + 0'05 | — 0'16 | — 0'22 | + 2'40 | + 5'80  | + 2'79  | — 2'71     | — 0'40   | — 0'02    | — 0'24    | + 6'91  |
|                            | Etah . .          | + 0'08   | — 0'20    | + 2'13 | — 0'10 | + 0'49 | + 1'73 | — 2'93  | + 0'53  | + 0'47     | — 0'85   | — 0'01    | — 0'24    | + 1'10  |
|                            | Manipuri . .      | — 0'51   | — 0'28    | + 0'02 | — 0'12 | + 1'39 | + 1'69 | + 1'14  | — 0'76  | — 0'03     | — 0'76   | — 0'05    | — 0'36    | + 1'37  |
|                            | Farrukhabad . .   | — 0'36   | — 0'28    | + 0'19 | — 0'09 | — 0'42 | + 7'23 | + 4'20  | + 3'00  | — 3'91     | + 1'81   | — 0'05    | — 0'30    | + 11'02 |
|                            | Etawah . .        | — 0'04   | — 0'19    | — 0'19 | — 0'14 | + 1'71 | + 1'01 | + 0'69  | — 2'68  | — 1'05     | — 0'16   | — 0'08    | — 0'03    | — 1'15  |
|                            | Cawnpore . .      | — 0'49   | — 0'43    | + 0'10 | — 0'14 | + 0'51 | + 1'71 | — 1'01  | + 3'27  | — 3'07     | + 2'94   | — 0'06    | + 0'16    | + 3'49  |
|                            | Fatehpur . .      | — 0'63   | — 0'37    | + 1'95 | — 0'16 | — 0'36 | + 5'10 | + 0'35  | — 0'55  | — 3'57     | + 3'08   | — 0'09    | + 1'42    | + 6'17  |
|                            | Jalaun (Orai) . . | — 0'38   | — 0'18    | — 0'18 | — 0'06 | — 0'27 | — 1'39 | + 8'51  | — 5'12  | + 6'28     | + 0'77   | — 0'02    | + 0'25    | + 8'21  |
|                            | Hamirpur . .      | — 0'48   | — 0'30    | 0      | — 0'10 | + 0'01 | + 1'36 | — 1'40  | — 2'21  | — 1'58     | + 2'17   | — 0'13    | + 1'23    | — 1'43  |
|                            | Banda . .         | — 0'73   | — 0'30    | + 0'31 | — 0'11 | — 0'01 | + 3'03 | + 6'14  | — 6'80  | — 2'05     | + 3'30   | — 0'21    | + 2'17    | + 4'74  |
|                            | Allahabad . .     | — 0'63   | — 0'37    | + 0'78 | — 0'15 | + 0'16 | + 3'07 | — 3'49  | — 2'09  | 0          | + 0'55   | — 0'21    | + 1'91    | — 0'47  |
|                            | Basti . .         | — 0'60   | — 0'43    | + 0'26 | — 0'20 | + 0'25 | + 0'74 | — 1'80  | + 0'66  | — 0'06     | + 4'53   | — 0'01    | + 0'05    | + 3'39  |
|                            | Gorakhpur . .     | — 0'47   | — 0'43    | + 1'03 | — 0'30 | + 1'49 | + 1'88 | + 0'91  | — 3'19  | — 3'76     | + 6'72   | — 0'16    | + 0'85    | + 4'57  |
|                            | Azamgarh . .      | — 0'54   | — 0'44    | + 0'57 | — 0'16 | — 0'63 | + 3'61 | + 8'98  | + 1'60  | — 1'92     | + 2'81   | — 0'09    | + 1'25    | + 15'04 |
|                            | Jaunpur . .       | — 0'68   | — 0'38    | + 0'47 | — 0'15 | — 0'17 | + 7'03 | + 3'94  | + 0'37  | + 3'75     | + 5'04   | — 0'14    | + 1'02    | + 20'10 |
|                            | Benares . .       | — 0'50   | — 0'42    | + 1'04 | — 0'15 | 0      | + 5'37 | + 3'36  | — 3'63  | + 1'24     | + 3'29   | — 0'02    | + 0'49    | + 10'07 |
|                            | Mirzapur . .      | — 0'61   | — 0'64    | + 0'86 | — 0'14 | — 0'31 | + 0'71 | — 2'38  | + 0'12  | — 2'02     | + 2'85   | — 0'25    | + 0'52    | — 1'29  |
|                            | Ghazipur . .      | — 0'71   | — 0'54    | — 0'01 | — 0'13 | — 0'28 | + 3'44 | + 8'23  | + 1'57  | — 0'54     | + 2'32   | — 0'29    | + 0'56    | + 13'62 |
|                            | Ballia . .        | — 0'51   | — 0'50    | — 0'13 | — 0'33 | + 0'11 | + 5'63 | + 4'89  | + 3'11  | — 2'50     | + 8'53   | + 0'23    | + 0'48    | + 19'01 |
|                            | Dudhi . .         | — 0'36   | — 0'55    | + 3'43 | — 0'21 | — 0'93 | + 4'72 | — 5'84  | — 5'51  | + 1'07     | + 2'08   | — 0'33    | — 0'31    | — 2'74  |
|                            | Robertsganj . .   | — 0'65   | — 0'49    | + 0'80 | — 0'23 | + 0'62 | + 0'76 | — 4'50  | + 0'66  | + 7'66     | + 1'25   | + 0'23    | + 0'32    | + 6'43  |
|                            | Jhansi . .        | — 0'27   | — 0'19    | + 0'27 | — 0'13 | + 0'53 | + 0'11 | + 4'52  | — 4'41  | — 3'13     | + 3'33   | — 0'02    | + 0'34    | + 0'95  |
|                            | Lalitpur . .      | — 0'07   | — 0'14    | — 0'20 | + 0'15 | + 1'50 | + 0'39 | — 1'13  | — 3'50  | — 5'66     | + 1'67   | — 0'08    | + 1'99    | — 5'08  |



TABLE XXIX.—Comparison of the monthly and total rainfall in 1886, with the averages of Table XXVIII—continued.

| PROVINCES. | STATIONS.                  | January. | February. | March. | April. | May.   | June.  | July.   | August. | September. | October. | November. | December. | Total.  |
|------------|----------------------------|----------|-----------|--------|--------|--------|--------|---------|---------|------------|----------|-----------|-----------|---------|
| ODDH .     | Kheri . .                  | — 0'83   | — 0'73    | + 1'13 | — 0'23 | + 0'37 | + 0'22 | — 1'76  | — 0'62  | — 2'63     | — 1'26   | 0         | — 0'37    | — 6'71  |
|            | Sitapur . .                | — 0'69   | — 0'35    | + 2'04 | — 0'26 | — 0'12 | + 0'88 | + 3'18  | + 3'19  | — 0'72     | — 1'18   | — 0'03    | — 0'28    | + 5'63  |
|            | Bahraich . .               | — 0'31   | — 0'82    | + 0'65 | — 0'31 | — 0'44 | — 0'43 | + 4'34  | + 5'49  | — 3'52     | 0        | — 0'04    | — 0'12    | + 4'49  |
|            | Gonda . .                  | 0        | — 0'41    | + 1'40 | — 0'08 | + 1'38 | + 0'88 | — 4'02  | + 3'81  | — 5'46     | + 0'51   | — 0'04    | — 0'35    | — 2'39  |
|            | Hardoi . .                 | — 0'16   | — 0'27    | + 1'09 | — 0'18 | + 0'17 | + 6'84 | — 1'05  | — 1'80  | + 1'90     | — 0'04   | 0         | — 0'44    | + 6'06  |
|            | Nawabganj<br>(Bara Banki). | — 0'47   | — 0'26    | + 0'70 | — 0'23 | + 3'06 | + 4'95 | — 2'68  | + 4'34  | + 2'51     | — 1'00   | 0         | — 0'21    | + 10'71 |
|            | Lucknow . .                | — 0'14   | — 0'25    | + 0'20 | — 0'13 | + 1'29 | + 8'72 | — 4'02  | — 3'63  | + 3'11     | + 0'61   | — 0'01    | + 0'10    | + 5'85  |
|            | Unao . .                   | — 0'54   | — 0'31    | — 0'08 | — 0'14 | + 0'61 | + 3'59 | + 1'29  | + 1'63  | — 0'35     | + 1'25   | — 0'01    | — 0'01    | + 6'93  |
|            | Fyzabad . .                | — 0'80   | — 0'34    | + 1'45 | — 0'22 | + 1'56 | + 2'21 | — 1'53  | + 0'34  | — 6'16     | + 2'81   | — 0'03    | — 0'04    | — 0'75  |
|            | Sultanpur . .              | — 0'65   | — 0'29    | + 0'39 | — 0'28 | + 1'03 | + 0'37 | + 6'03  | + 2'58  | — 1'76     | + 5'06   | — 0'03    | + 0'73    | + 13'18 |
| NEPAL .    | Rae Bareilly . .           | — 0'54   | — 0'23    | + 0'44 | — 0'12 | + 1'19 | + 7'47 | + 4'71  | + 1'04  | + 0'40     | + 2'78   | — 0'02    | + 0'55    | + 17'67 |
|            | Partabgarh . .             | — 0'72   | — 0'35    | + 0'82 | — 0'06 | + 1'07 | + 5'31 | + 0'31  | — 0'46  | — 1'16     | + 1'61   | — 0'60    | + 1'84    | + 7'61  |
|            | Katmandu . .               | — 0'52   | — 0'09    | + 0'33 | — 0'62 | + 1'94 | — 2'43 | + 2'70  | + 6'69  | — 1'09     | + 0'26   | + 0'01    | — 0'12    | + 6'16  |
|            | Motiharee . .              | — 0'44   | — 0'22    | — 0'11 | — 0'47 | + 1'78 | — 3'89 | + 1'92  | + 3'08  | + 4'62     | + 0'33   | — 0'08    | + 0'44    | + 6'96  |
|            | Durbhunga . .              | — 0'11   | — 0'40    | + 0'02 | + 0'13 | — 0'18 | — 2'56 | + 2'62  | + 7'64  | + 0'01     | + 2'41   | — 0'06    | + 0'38    | + 9'90  |
|            | Sewan . .                  | — 0'02   | — 0'49    | + 0'10 | — 0'26 | + 1'00 | — 2'79 | + 9'50  | + 3'10  | — 0'86     | + 4'85   | + 0'09    | + 0'25    | + 14'27 |
|            | Buxar . .                  | — 0'42   | — 0'35    | — 0'16 | — 0'15 | — 0'17 | + 3'93 | + 4'46  | — 4'87  | + 3'29     | + 3'82   | — 0'12    | + 0'13    | + 9'39  |
|            | Chupra . .                 | — 0'54   | — 0'32    | — 0'13 | — 0'38 | + 2'24 | — 0'59 | + 14'90 | + 2'55  | + 1'68     | + 9'27   | — 0'12    | + 0'48    | + 29'04 |
|            | Arrah . .                  | — 0'75   | — 0'55    | + 0'04 | — 0'54 | — 0'05 | + 0'43 | + 4'61  | + 5'03  | + 6'26     | + 8'53   | — 0'21    | + 0'18    | + 22'98 |
|            | Patna (Banki-<br>pur).     | — 0'65   | — 0'32    | + 0'09 | — 0'27 | — 0'03 | — 2'23 | + 11'06 | + 8'17  | + 4'16     | + 2'94   | — 0'03    | — 0'04    | + 22'85 |
| BENGAL .   | Mozufferpore . .           | — 0'07   | — 0'36    | + 0'28 | — 0'33 | + 1'58 | + 0'07 | + 3'37  | + 10'29 | + 5'90     | + 2'99   | — 0'08    | + 0'37    | + 24'01 |
|            | Barh . .                   | — 0'41   | — 0'48    | + 0'21 | + 0'38 | — 0'08 | — 1'60 | + 6'61  | + 0'92  | + 3'38     | + 0'36   | — 0'02    | — 0'06    | + 8'79  |
|            | Sasseram . .               | — 0'33   | — 0'54    | + 1'23 | — 0'12 | — 0'40 | + 1'15 | + 3'79  | — 5'21  | + 7'94     | + 4'07   | + 0'07    | + 0'01    | + 11'66 |
|            | Gya . .                    | — 0'29   | — 0'51    | + 0'94 | — 0'33 | + 0'35 | — 0'29 | + 8'73  | + 4'16  | + 9'82     | + 3'34   | + 0'51    | — 0'19    | + 26'24 |
|            | Jamooee . .                | — 0'38   | — 0'65    | + 0'43 | — 0'50 | + 0'10 | + 1'90 | + 5'47  | — 2'93  | + 3'61     | + 6'85   | + 0'26    | — 0'09    | + 14'07 |
|            | Muddehpooa . .             | — 0'26   | — 0'38    | — 0'24 | — 0'14 | — 0'37 | + 0'66 | + 2'93  | + 2'93  | + 1'38     | — 0'04   | — 0'06    | — 0'07    | + 6'34  |
|            | Monghyr . .                | — 0'23   | — 0'13    | — 0'02 | — 0'07 | + 1'33 | — 0'36 | + 6'02  | + 0'32  | + 13'23    | + 0'95   | — 0'04    | — 0'11    | + 20'89 |
|            | Bhagalpur . .              | — 0'36   | — 0'04    | + 0'42 | — 0'83 | + 1'73 | — 1'19 | + 2'02  | — 0'27  | + 17'80    | — 0'38   | + 0'14    | — 0'10    | + 18'94 |
|            | Godda . .                  | — 0'26   | — 0'46    | + 0'12 | — 0'34 | + 2'93 | — 0'74 | + 0'67  | + 3'84  | + 2'11     | + 0'64   | + 0'05    | — 0'14    | + 8'42  |
|            | Palamow . .                | — 0'49   | — 0'42    | + 1'64 | — 0'31 | + 0'99 | + 0'38 | — 5'81  | — 3'69  | + 6'17     | + 6'51   | + 0'17    | — 0'32    | + 4'82  |
| BENGAL .   | Hazaribagh . .             | — 0'38   | — 0'78    | + 1'37 | — 0'06 | + 2'12 | — 1'89 | — 0'99  | — 0'58  | + 1'50     | + 8'47   | + 0'50    | — 0'24    | + 9'04  |
|            | Ranchee . .                | — 0'48   | — 1'07    | + 1'31 | — 0'50 | + 2'36 | — 0'39 | — 0'58  | + 1'93  | + 0'67     | + 3'34   | + 0'62    | — 0'23    | + 6'98  |
|            | Lohardugga . .             | + 0'07   | — 0'24    | + 0'69 | + 0'13 | + 2'60 | + 2'49 | — 0'01  | — 2'26  | — 0'12     | + 3'63   | + 0'86    | — 0'75    | + 7'09  |
|            | Nya Doomka . .             | — 0'47   | — 0'72    | + 1'44 | — 0'24 | + 0'61 | + 0'12 | + 4'76  | + 2'33  | + 11'15    | — 1'41   | — 0'18    | — 0'24    | + 17'15 |
|            | Gobindpur . .              | — 0'46   | — 0'97    | — 0'22 | — 0'61 | — 0'40 | — 2'37 | — 1'15  | — 3'64  | + 5'68     | + 4'56   | — 0'06    | — 0'21    | + 0'15  |
|            | Purulia . .                | — 0'30   | — 0'97    | + 0'14 | — 0'81 | + 1'53 | — 3'34 | + 1'23  | — 5'14  | + 4'85     | — 0'92   | + 0'12    | — 0'28    | — 3'89  |
|            | Sirguja . .                | + 0'08   | — 0'28    | — 0'97 | — 0'49 | — 0'08 | + 8'27 | + 7'53  | + 7'11  | + 4'57     | + 3'96   | — 0'89    | — 0'36    | + 28'45 |
|            | Jushpore . .               | — 0'24   | — 0'15    | — 0'74 | + 0'02 | + 3'10 | + 2'41 | + 2'11  | — 4'19  | + 0'74     | + 5'88   | + 1'54    | — 0'65    | + 9'83  |
|            | Gangpur . .                | + 0'64   | — 0'81    | — 1'25 | — 0'30 | — 0'55 | — 2'73 | — 1'19  | — 5'46  | — 2'47     | + 4'19   | — 0'67    | — 0'47    | — 11'07 |
|            | Chybassa . .               | — 0'11   | — 0'84    | — 0'15 | — 0'44 | + 1'59 | — 0'89 | — 0'50  | — 8'07  | — 2'34     | + 1'85   | — 0'09    | — 0'39    | — 10'38 |
| BENGAL .   | Barreepudda . .            | + 0'15   | — 0'58    | + 2'16 | — 1'35 | + 1'88 | — 0'01 | — 2'99  | — 1'94  | + 4'18     | — 0'39   | + 0'93    | — 0'29    | + 1'75  |

TABLE XXIX.—Comparison of the monthly and total rainfall in 1886, with the averages of Table XXVIII—continued.

| PROVINCES.        | STATIONS.                    | January. | February. | March. | April. | May.   | June.   | July.   | August. | September. | October. | November. | December. | Total.  |
|-------------------|------------------------------|----------|-----------|--------|--------|--------|---------|---------|---------|------------|----------|-----------|-----------|---------|
| BENGAL—<br>contd. | Keonjhar .                   | + 0'15   | — 0'19    | — 0'06 | — 0'69 | — 0'60 | + 2'54  | — 4'51  | + 3'07  | — 1'59     | + 1'75   | — 0'32    | — 0'41    | — 0'86  |
|                   | Jellasore .                  | — 0'39   | — 1'11    | + 1'95 | — 1'32 | + 0'52 | + 9'37  | — 0'65  | — 3'71  | + 3'42     | + 0'18   | + 0'30    | + 0'03    | + 8'59  |
|                   | Balasore .                   | — 0'17   | — 1'22    | + 3'52 | — 2'26 | + 1'06 | + 4'03  | — 0'71  | — 0'61  | + 5'10     | — 1'21   | — 0'60    | — 0'26    | + 6'67  |
|                   | Bhuddruck .                  | + 0'36   | — 1'31    | + 5'21 | — 1'94 | + 4'00 | + 1'91  | — 4'06  | — 3'46  | + 6'32     | — 0'28   | + 0'52    | — 0'41    | + 6'86  |
|                   | Talcher .                    | — 0'06   | — 0'88    | + 1'91 | — 0'58 | + 0'34 | — 4'29  | — 6'87  | — 2'45  | + 4'86     | + 3'62   | + 0'42    | — 0'36    | — 4'34  |
|                   | Angul .                      | + 0'33   | — 1'28    | + 1'69 | — 0'88 | + 0'45 | — 2'89  | — 6'19  | — 0'52  | + 8'92     | + 2'39   | + 1'26    | — 0'04    | + 3'24  |
|                   | Dhenkanal .                  | — 0'02   | — 0'84    | + 0'64 | — 0'57 | — 0'92 | + 2'72  | + 0'08  | + 5'86  | + 4'31     | + 4'85   | + 1'70    | — 0'11    | + 17'70 |
|                   | Bispara .                    | — 0'07   | — 0'33    | + 0'27 | — 0'27 | — 0'45 | — 0'56  | + 3'07  | + 4'94  | + 2'24     | + 0'02   | + 0'40    | — 0'25    | + 9'01  |
|                   | Kunjabangar .                | + 0'43   | — 0'63    | + 1'05 | — 2'07 | — 0'55 | + 1'99  | — 1'49  | — 1'89  | — 0'15     | + 2'42   | — 0'40    | — 0'34    | — 1'63  |
|                   | Banki (Char-<br>Chika).      | + 0'12   | — 0'51    | + 4'10 | — 0'25 | + 0'78 | + 4'25  | — 1'10  | — 0'11  | + 0'35     | + 4'19   | + 1'44    | + 0'08    | + 13'34 |
|                   | Cuttack .                    | — 0'03   | — 0'22    | + 4'52 | — 1'48 | + 2'21 | + 9'35  | — 1'53  | — 2'52  | + 4'21     | + 6'00   | + 0'95    | — 0'04    | + 21'42 |
|                   | False Point .                | — 0'24   | — 0'89    | + 1'93 | — 2'38 | + 1'50 | — 1'71  | + 3'66  | — 6'27  | + 3'73     | — 5'04   | — 0'79    | + 0'54    | — 5'96  |
|                   | Pooree .                     | — 0'11   | — 1'11    | + 1'10 | — 0'94 | + 0'76 | — 0'82  | + 0'32  | — 4'73  | + 4'65     | — 2'16   | + 0'77    | + 3'10    | + 0'83  |
|                   | Darjeeling .                 | — 0'50   | — 0'67    | + 0'50 | — 1'10 | + 1'77 | — 2'60  | — 2'44  | + 10'93 | + 2'42     | — 4'36   | + 0'34    | — 0'22    | + 4'07  |
|                   | Mongpoo .                    | — 0'69   | — 0'53    | + 2'41 | — 1'80 | — 0'50 | + 2'34  | — 6'82  | + 10'95 | + 3'46     | — 2'81   | + 0'08    | + 0'26    | + 6'35  |
|                   | Baxa .                       | — 0'64   | — 0'72    | — 2'03 | — 3'76 | — 4'86 | — 0'83  | + 8'36  | + 22'40 | + 8'72     | — 7'78   | + 2'14    | + 0'30    | + 21'30 |
|                   | Jalpaiguri .                 | — 0'43   | + 0'04    | — 1'07 | — 2'33 | — 1'15 | — 10'62 | + 10'32 | + 1'17  | + 11'61    | — 3'95   | — 0'11    | — 0'09    | + 3'39  |
|                   | Cooch Behar .                | — 0'38   | — 0'24    | — 0'30 | — 3'93 | — 3'07 | — 11'69 | — 4'18  | — 0'37  | + 9'58     | — 1'34   | + 0'33    | + 0'04    | — 15'55 |
|                   | Kissengunge .                | — 0'37   | — 0'38    | — 0'56 | — 1'23 | + 2'94 | — 3'11  | + 7'19  | + 13'68 | + 15'31    | — 2'09   | — 0'05    | + 0'24    | + 31'57 |
|                   | Purneah .                    | — 0'08   | — 0'55    | + 0'16 | — 0'85 | — 0'93 | — 1'06  | + 3'77  | + 13'62 | + 5'46     | — 1'36   | 0         | — 0'13    | + 18'05 |
|                   | Rungpore .                   | — 0'37   | — 0'34    | — 0'96 | + 0'10 | + 2'73 | — 10'39 | — 3'50  | + 1'02  | + 5'62     | — 3'50   | — 0'23    | — 0'10    | — 9'92  |
|                   | Dinagepore .                 | — 0'26   | — 0'53    | — 0'40 | — 2'15 | + 8'64 | — 9'65  | — 2'59  | — 0'19  | + 8'18     | — 2'39   | + 0'12    | — 0'10    | — 1'32  |
|                   | Maldah .                     | — 0'63   | + 0'08    | + 0'76 | — 1'37 | + 0'52 | + 4'74  | + 2'26  | + 1'92  | + 9'98     | + 3'10   | — 0'22    | — 0'35    | + 20'79 |
|                   | Bogra .                      | — 0'41   | — 0'90    | + 0'32 | — 3'02 | + 0'06 | — 4'19  | — 5'34  | + 4'86  | + 5'25     | — 2'10   | — 0'80    | — 0'12    | — 6'39  |
|                   | Rampore Bau-<br>leah.        | — 0'27   | — 0'95    | + 0'75 | — 0'82 | + 1'10 | + 1'02  | + 3'40  | + 1'35  | + 4'10     | — 2'89   | — 0'28    | — 0'09    | + 6'42  |
|                   | Pubna .                      | — 0'35   | — 1'15    | + 0'79 | — 2'72 | + 1'09 | — 5'49  | — 0'52  | + 4'59  | + 4'08     | + 0'68   | — 0'23    | — 0'11    | + 0'66  |
|                   | Soory .                      | — 0'41   | — 0'99    | + 0'01 | + 0'18 | + 1'35 | + 0'52  | + 1'52  | + 1'82  | + 7'38     | + 1'67   | — 0'12    | — 0'17    | + 12'76 |
|                   | Bankoora .                   | + 0'03   | — 1'11    | + 0'83 | + 0'04 | + 1'70 | — 3'28  | + 1'52  | — 1'16  | + 2'02     | — 1'75   | + 0'81    | — 0'18    | — 0'53  |
|                   | Burdwan .                    | + 0'11   | — 0'78    | + 1'14 | — 2'38 | + 3'12 | + 0'73  | + 5'08  | — 3'36  | + 5'59     | — 2'30   | — 0'45    | — 0'18    | + 6'32  |
|                   | Hooghly .                    | — 0'06   | — 1'45    | + 1'19 | — 2'75 | + 3'05 | — 1'56  | + 3'37  | — 2'29  | + 3'49     | — 2'27   | — 0'05    | — 0'28    | + 0'39  |
|                   | Howrah .                     | + 0'41   | — 1'32    | + 0'52 | — 2'03 | + 3'70 | — 2'23  | + 1'67  | — 4'34  | + 3'10     | + 0'32   | — 0'29    | — 0'30    | — 0'79  |
|                   | Midnapore .                  | — 0'62   | — 0'82    | — 0'46 | — 1'57 | + 2'25 | — 2'51  | — 2'65  | — 0'82  | + 0'21     | — 0'66   | — 0'24    | — 0'31    | — 8'20  |
|                   | Tumlook .                    | + 0'15   | — 1'24    | + 0'73 | — 1'68 | + 2'33 | + 1'25  | + 0'15  | — 6'50  | + 2'72     | — 1'88   | — 0'21    | + 0'01    | — 4'17  |
|                   | Berhampore .                 | — 0'40   | — 0'82    | + 0'85 | — 1'10 | + 0'54 | — 1'75  | + 1'63  | + 1'01  | + 7'53     | — 1'59   | — 0'21    | — 0'13    | + 5'56  |
|                   | Kishnagbur .                 | — 0'41   | — 1'08    | + 4'33 | — 2'33 | + 1'71 | — 1'88  | + 0'81  | + 2'43  | + 4'65     | — 1'32   | — 0'17    | — 0'16    | + 6'58  |
|                   | Furreedpore .                | — 0'29   | — 1'34    | — 0'18 | — 3'91 | + 6'93 | — 5'69  | + 1'28  | + 1'02  | + 2'57     | — 2'12   | — 0'19    | — 0'13    | — 2'05  |
|                   | Jessore .                    | — 0'34   | — 0'87    | + 2'89 | — 3'85 | + 0'69 | — 4'40  | + 4'23  | + 5'93  | + 4'61     | — 0'56   | — 0'66    | — 0'20    | + 7'43  |
|                   | Busseerhat .                 | + 0'09   | — 1'05    | + 3'97 | — 0'40 | + 4'74 | — 3'14  | + 2'88  | + 0'90  | + 6'86     | + 1'55   | — 0'06    | — 0'20    | + 16'10 |
|                   | Khoolna .                    | — 0'41   | — 1'29    | + 3'28 | — 2'63 | + 3'76 | — 0'40  | — 3'53  | — 1'86  | + 0'39     | — 2'48   | — 0'45    | — 0'36    | — 5'98  |
|                   | Burrisal .                   | — 0'07   | — 0'97    | + 2'80 | — 1'91 | + 2'40 | — 3'96  | — 0'21  | + 0'44  | — 4'02     | — 1'51   | — 0'96    | — 0'27    | — 8'24  |
|                   | Calcutta (Chow-<br>ringhee). | + 0'90   | — 1'49    | + 1'65 | — 1'19 | + 3'01 | — 1'11  | + 2'57  | — 6'17  | + 2'99     | + 1'10   | — 0'14    | — 0'65    | + 1'47  |

TABLE XXIX.—Comparison of the monthly and total rainfall in 1886, with the averages of Table XXVIII—continued.

| PROVINCES.           | STATIONS.                        | January. | February. | March. | April.  | May.    | June.   | July.   | August. | September. | October. | November. | December. | Total.  |
|----------------------|----------------------------------|----------|-----------|--------|---------|---------|---------|---------|---------|------------|----------|-----------|-----------|---------|
| BENGAL—<br>contd.    | Calcutta (St. Xavier's College). |          |           |        |         |         |         |         |         |            |          |           |           |         |
|                      | Alipore (Jail) .                 | + 0'84   | — 1'54    | + 0'98 | — 1'75  | + 2'48  | + 1'36  | + 2'55  | — 4'83  | + 5'62     | — 0'72   | — 0'33    | — 0'37    | + 4'31  |
|                      | Alipore (Obsy). .                | + 1'06   | — 1'27    | + 1'22 | — 1'49  | + 1'98  | + 1'46  | + 2'49  | — 4'92  | + 4'00     | + 0'24   | — 0'29    | — 0'72    | + 3'76  |
|                      | Saugor Island .                  | — 0'07   | — 1'13    | + 5'06 | — 1'33  | — 1'03  | — 2'23  | — 2'86  | — 6'99  | + 7'65     | — 0'44   | — 0'66    | — 0'13    | — 4'16  |
|                      | Mymensingh .                     | — 0'34   | — 1'26    | — 0'56 | — 2'63  | — 2'04  | — 7'12  | — 2'83  | + 3'53  | + 1'49     | — 2'56   | — 0'73    | — 0'13    | — 15'18 |
|                      | Kishorganj .                     | — 0'54   | — 0'92    | — 0'75 | — 0'59  | — 2'04  | — 8'56  | + 2'56  | + 14'95 | — 1'49     | — 2'85   | — 0'34    | — 0'34    | — 0'91  |
|                      | Atia (Tangail) .                 | — 0'34   | — 1'25    | — 0'05 | + 0'08  | — 1'32  | — 5'37  | — 2'15  | + 6'54  | + 0'10     | + 0'01   | — 0'26    | — 0'10    | — 4'11  |
|                      | Dacca .                          | — 0'27   | — 1'02    | + 2'59 | + 0'67  | — 1'59  | + 1'51  | + 3'50  | + 6'99  | + 1'62     | — 3'38   | — 0'65    | — 0'19    | + 9'78  |
|                      | Comillah .                       | — 0'53   | — 0'91    | + 0'59 | — 1'24  | + 2'00  | — 3'51  | + 4'46  | + 8'90  | + 2'13     | — 3'14   | — 1'30    | — 0'27    | + 7'18  |
|                      | Agartalla .                      | — 0'73   | — 1'18    | — 0'51 | + 1'48  | + 1'42  | — 6'31  | + 4'82  | + 8'02  | — 0'08     | — 2'49   | — 0'93    | — 0'44    | + 3'07  |
|                      | Noakholly .                      | — 0'42   | — 0'87    | + 2'96 | + 5'12  | + 0'53  | + 2'70  | + 7'35  | + 7'73  | + 0'28     | — 4'88   | — 1'69    | — 0'37    | + 18'44 |
|                      | Demagiri .                       | — 0'42   | — 1'33    | + 3'85 | — 0'44  | — 2'81  | + 4'52  | + 11'84 | + 5'37  | — 6'50     | + 0'96   | — 1'83    | — 0'97    | + 12'24 |
|                      | Rangamatia Hill                  | — 0'38   | — 1'23    | + 2'79 | — 1'03  | — 1'02  | + 6'79  | + 9'21  | + 3'36  | — 1'07     | — 3'52   | — 1'55    | — 0'59    | + 11'76 |
|                      | Chittagong .                     | — 0'41   | — 1'19    | + 5'60 | + 4'42  | + 2'37  | + 17'14 | — 2'66  | + 13'20 | + 0'66     | — 0'80   | — 1'18    | — 0'57    | + 27'74 |
|                      | Cox's Bazar .                    | — 0'38   | — 0'45    | + 4'55 | — 1'62  | — 2'85  | — 7'53  | — 0'83  | + 4'19  | + 0'78     | + 3'95   | — 0'35    | — 0'13    | — 0'67  |
|                      | Sylhet .                         | — 0'36   | — 0'83    | + 1'96 | + 3'58  | — 6'34  | — 12'88 | + 3'79  | + 15'92 | + 10'31    | — 0'59   | — 1'12    | 0         | + 13'44 |
|                      | Silchar .                        | — 0'34   | — 0'47    | + 5'32 | + 0'30  | — 5'21  | + 2'14  | + 13'19 | + 3'49  | + 12'02    | — 4'85   | — 0'99    | — 0'43    | + 24'17 |
|                      | Cherra Poonjee                   | — 0'64   | — 0'76    | — 0'75 | + 11'55 | — 16'89 | — 16'10 | — 14'65 | + 39'32 | — 0'50     | — 9'83   | — 1'81    | — 0'26    | — 11'32 |
|                      | Tura .                           | — 0'58   | — 0'73    | — 0'31 | + 0'11  | + 1'03  | — 2'25  | + 7'08  | + 9'07  | + 6'64     | — 4'28   | — 0'41    | + 0'01    | + 15'38 |
| ASSAM.               | Shillong .                       | — 0'36   | — 0'83    | — 0'44 | — 1'26  | — 0'94  | + 6'01  | + 5'40  | + 4'47  | — 0'74     | — 3'08   | — 0'79    | + 0'25    | + 7'69  |
|                      | Dhubri .                         | — 0'29   | — 0'22    | + 0'10 | — 2'58  | — 6'51  | — 3'81  | — 2'65  | + 4'12  | + 4'16     | — 3'44   | — 0'08    | — 0'07    | — 11'22 |
|                      | Goalpara .                       | — 0'40   | — 0'54    | — 1'79 | — 1'64  | + 2'96  | — 9'12  | + 5'56  | — 0'11  | + 7'60     | — 3'95   | — 0'20    | + 0'89    | — 0'74  |
|                      | Kulsi .                          | — 0'14   | — 0'37    | — 1'71 | + 0'08  | — 2'80  | + 2'07  | + 9'99  | — 3'62  | + 0'54     | — 2'41   | + 0'26    | + 0'01    | + 1'90  |
|                      | Gauhati .                        | — 0'38   | — 0'93    | — 1'29 | — 1'72  | — 1'68  | + 2'46  | + 5'16  | — 1'45  | — 1'48     | — 0'55   | — 0'61    | — 0'06    | — 2'53  |
|                      | Nowgong .                        | — 0'79   | — 1'03    | — 0'75 | — 1'63  | — 3'74  | — 4'10  | + 4'95  | + 3'22  | + 9'26     | + 1'17   | — 0'44    | — 0'25    | + 5'87  |
|                      | Tezpur .                         | — 0'59   | — 0'75    | — 1'81 | — 0'90  | — 5'66  | — 3'68  | + 4'48  | — 1'80  | + 3'56     | + 4'95   | — 0'65    | — 0'48    | — 3'28  |
|                      | Chardner .                       | — 0'72   | — 0'14    | — 0'15 | + 1'35  | — 2'07  | + 0'06  | + 8'35  | + 5'19  | — 0'57     | — 0'72   | — 0'31    | — 0'19    | + 10'08 |
|                      | Sibsagar .                       | — 0'57   | — 1'29    | — 1'68 | — 2'97  | — 1'13  | — 2'13  | — 2'86  | — 3'22  | — 0'52     | + 1'01   | — 1'20    | + 0'20    | — 16'36 |
|                      | Dibrugarh .                      | + 0'81   | — 1'82    | + 0'67 | — 0'05  | — 8'08  | — 0'73  | + 3'00  | + 1'96  | + 2'65     | — 0'68   | — 1'44    | + 1'42    | — 2'29  |
| CENTRAL<br>PROVINCES | Kohima .                         | — 0'38   | — 0'43    | — 1'38 | — 0'11  | — 0'38  | + 0'02  | + 1'22  | + 1'22  | + 0'11     | + 0'68   | — 1'33    | — 0'51    | — 1'27  |
|                      | Saugor .                         | — 0'53   | + 0'25    | + 0'13 | — 0'17  | — 0'10  | + 1'56  | + 3'76  | — 1'91  | — 4'92     | + 3'50   | — 0'35    | + 2'32    | + 3'54  |
|                      | Damoh .                          | — 0'57   | — 0'12    | — 0'18 | — 0'24  | + 0'26  | + 0'72  | + 6'16  | — 3'50  | — 6'55     | + 8'66   | — 0'31    | + 0'96    | + 5'29  |
|                      | Jubbulpore .                     | — 0'59   | — 0'37    | + 0'44 | — 0'22  | + 0'83  | + 2'99  | — 0'29  | — 6'52  | — 5'23     | + 4'73   | — 0'35    | + 0'13    | — 4'45  |
|                      | Narsinghpur .                    | — 0'36   | — 0'20    | — 0'14 | — 0'25  | — 0'43  | — 1'34  | + 0'55  | — 4'98  | — 5'92     | + 5'94   | — 0'22    | + 0'53    | — 6'82  |
|                      | Hoshangabad .                    | — 0'23   | — 0'14    | — 0'23 | — 0'04  | — 0'44  | — 0'76  | + 5'63  | — 6'57  | — 9'39     | + 6'72   | — 0'35    | + 0'82    | — 4'98  |
|                      | Khandwa .                        | — 0'31   | — 0'29    | — 0'08 | — 0'08  | + 0'12  | + 2'72  | — 3'50  | — 1'70  | — 4'54     | + 3'53   | — 0'11    | + 3'39    | — 0'85  |
|                      | Badnur (Betul) .                 | — 0'41   | — 0'32    | — 0'45 | — 0'20  | + 0'71  | — 0'44  | + 0'57  | — 0'72  | — 6'29     | — 0'13   | — 0'35    | — 0'26    | — 8'29  |
|                      | Pachmarhi .                      | — 0'40   | — 0'27    | + 0'19 | — 0'26  | + 0'03  | + 2'95  | + 2'03  | — 6'65  | — 12'37    | + 5'02   | — 0'38    | + 0'41    | — 9'70  |
|                      | Chhindwara .                     | — 0'71   | — 0'32    | — 0'28 | — 0'26  | + 0'35  | — 3'71  | — 0'07  | — 5'55  | — 7'53     | + 4'39   | — 0'14    | — 0'01    | — 13'84 |
|                      | Seoni .                          | — 0'37   | — 0'64    | + 0'09 | — 0'56  | — 0'17  | — 1'90  | + 1'59  | — 5'48  | — 5'67     | + 3'06   | — 0'22    | — 0'11    | — 10'38 |

TABLE XXIX.—Comparison of the monthly and total rainfall in 1886, with the averages of Table XXVIII—continued.

| PROVINCES.                   | STATIONS.                  | January. | February. | March. | April. | May.   | June.   | July.   | August. | September. | October. | November. | December. | Total.  |
|------------------------------|----------------------------|----------|-----------|--------|--------|--------|---------|---------|---------|------------|----------|-----------|-----------|---------|
| CENTRAL PROVINCES<br>—contd. | Balaghat .                 | — 0'48   | — 0'66    | + 0'39 | — 0'49 | — 0'25 | — 3'34  | — 5'48  | — 6'73  | — 6'95     | + 2'10   | + 0'10    | — 0'26    | — 22'05 |
|                              | Mandla .                   | — 0'28   | — 0'58    | + 0'18 | — 0'53 | + 0'15 | — 2'67  | — 3'40  | — 6'65  | — 3'09     | + 3'29   | — 0'10    | — 0'23    | — 13'91 |
|                              | Bilaspur .                 | — 0'01   | — 0'31    | + 0'11 | — 0'79 | — 0'90 | — 5'50  | — 4'47  | — 5'47  | — 2'46     | + 1'24   | + 1'33    | — 0'25    | — 17'48 |
|                              | Saragaon .                 | — 0'22   | — 0'21    | — 0'13 | — 0'42 | + 0'01 | — 3'04  | — 5'16  | — 6'93  | — 4'70     | + 1'90   | + 0'85    | — 0'20    | — 18'25 |
|                              | Sarangarh .                | + 0'31   | — 0'39    | + 0'82 | — 0'24 | + 0'65 | — 3'96  | + 0'96  | — 7'03  | + 0'34     | — 0'37   | + 1'39    | — 0'21    | — 7'73  |
|                              | Raigarh .                  | + 0'72   | — 0'01    | + 1'66 | — 0'16 | — 0'40 | — 2'76  | — 3'49  | — 7'08  | — 7'65     | + 2'77   | + 0'38    | — 0'22    | — 16'24 |
|                              | Sambalpur .                | — 0'42   | — 0'62    | + 1'02 | — 0'52 | + 0'26 | — 2'33  | + 0'07  | — 2'74  | + 1'12     | + 0'65   | + 0'70    | — 0'23    | — 3'04  |
|                              | Raipur .                   | — 0'30   | — 0'28    | + 0'29 | — 0'61 | + 1'14 | — 6'13  | — 5'08  | — 8'12  | + 0'78     | + 7'48   | — 0'19    | — 0'29    | — 11'31 |
|                              | Dhamtari .                 | — 0'24   | — 0'41    | + 0'23 | — 0'20 | + 1'01 | — 1'03  | — 0'40  | — 2'91  | + 0'35     | + 0'44   | + 0'30    | — 0'18    | — 3'04  |
|                              | Bhandara .                 | — 0'59   | — 0'56    | — 0'40 | — 0'56 | — 0'35 | — 1'85  | + 6'68  | — 7'09  | — 1'75     | + 2'73   | — 0'30    | — 0'19    | — 4'23  |
|                              | Nagpur .                   | — 0'58   | — 0'07    | — 0'33 | — 0'45 | — 0'74 | — 2'86  | + 2'76  | — 1'91  | — 4'45     | + 7'39   | — 0'37    | + 0'10    | — 1'51  |
|                              | Arvi .                     | — 0'61   | — 0'19    | — 0'53 | — 0'16 | + 4'32 | + 1'85  | + 3'55  | — 5'15  | — 6'88     | + 12'24  | — 0'28    | — 0'20    | + 7'96  |
|                              | Wardha .                   | — 0'33   | — 0'26    | — 0'33 | — 0'35 | + 0'80 | + 0'21  | — 4'84  | — 5'11  | — 6'38     | + 4'31   | + 0'07    | + 0'04    | — 12'17 |
|                              | Brahmapuri .               | — 0'44   | — 0'18    | — 0'14 | — 0'34 | — 0'43 | + 3'99  | — 1'64  | — 2'59  | — 7'80     | + 0'83   | — 0'35    | — 0'51    | — 9'60  |
|                              | Chanda .                   | — 0'18   | — 0'71    | — 1'06 | — 0'42 | + 0'46 | + 8'37  | + 2'73  | — 0'35  | — 4'90     | — 0'38   | — 0'79    | — 0'29    | + 2'48  |
|                              | Sironcha .                 | — 0'13   | — 0'38    | — 0'32 | — 0'41 | — 1'75 | + 6'34  | + 4'63  | + 3'92  | — 3'90     | + 2'66   | — 0'56    | + 0'15    | + 10'19 |
|                              | Bastar (Jagdal-<br>pore) . | — 0'22   | — 0'10    | + 0'08 | — 2'47 | + 0'36 | — 3'65  | + 1'55  | + 2'98  | — 3'57     | + 2'34   | + 2'60    | — 0'16    | — 0'26  |
|                              | Makhla .                   | — 0'19   | — 0'29    | — 0'16 | — 0'07 | — 0'40 | + 1'97  | + 4'68  | + 6'95  | — 6'86     | + 3'59   | — 0'73    | — 0'35    | + 8'14  |
|                              | Chikalda .                 | — 0'36   | — 0'12    | — 0'32 | — 0'13 | + 0'67 | + 5'32  | + 10'89 | + 15'19 | — 7'27     | + 4'80   | — 0'36    | + 0'16    | + 28'47 |
|                              | Ellichpur .                | — 0'39   | — 0'10    | — 0'40 | — 0'21 | — 0'36 | + 10'22 | — 0'21  | — 1'76  | — 4'71     | + 9'01   | — 9'48    | — 0'26    | + 10'35 |
| BERARS                       | Amraoti .                  | — 0'45   | — 0'21    | — 0'33 | — 0'23 | — 0'46 | + 3'35  | — 1'96  | — 2'75  | — 3'41     | + 3'29   | — 0'23    | — 0'31    | — 3'70  |
|                              | Akola .                    | — 0'49   | — 0'14    | — 0'44 | — 0'12 | + 0'33 | + 1'97  | + 7'02  | — 0'51  | — 3'47     | + 2'64   | — 0'41    | — 0'05    | + 6'33  |
|                              | Buldana .                  | — 0'65   | — 0'13    | — 0'26 | — 0'28 | + 0'89 | + 3'82  | + 2'38  | + 1'71  | — 5'15     | + 3'21   | — 0'36    | + 0'62    | + 5'80  |
|                              | Basim .                    | — 0'24   | — 0'06    | — 0'19 | — 0'33 | + 0'56 | + 5'16  | — 0'88  | — 3'40  | — 5'71     | + 3'45   | — 0'63    | — 0'15    | — 2'42  |
|                              | Yeotmal .                  | — 0'23   | — 0'10    | — 0'40 | — 0'20 | + 1'35 | + 2'44  | — 1'08  | — 5'75  | — 5'60     | + 8'76   | — 0'47    | — 0'20    | — 1'48  |
|                              | Wun .                      | — 0'28   | — 0'14    | — 0'58 | — 0'12 | — 0'53 | + 12'16 | + 1'33  | — 3'52  | — 5'73     | + 4'61   | — 0'64    | — 0'41    | + 6'15  |
|                              | Aurangabad<br>(Cant.) .    | — 0'09   | — 0'03    | — 0'04 | — 0'17 | — 0'48 | + 5'32  | + 6'53  | — 1'02  | — 3'07     | + 4'78   | — 0'48    | + 4'10    | + 15'37 |
|                              | Jalna .                    | — 0'06   | — 0'01    | — 0'05 | — 0'08 | + 0'22 | — 0'09  | + 4'23  | + 2'51  | — 2'41     | + 4'64   | — 0'77    | + 2'95    | + 11'08 |
|                              | Hingoli .                  | — 0'44   | — 0'09    | — 0'21 | — 0'16 | + 2'01 | + 7'76  | + 0'95  | — 3'09  | — 3'22     | + 6'91   | — 0'67    | — 0'41    | + 9'34  |
|                              | Parbhani .                 | — 0'04   | 0         | — 0'11 | — 0'28 | + 4'77 | + 0'34  | + 0'02  | — 0'42  | — 5'77     | + 6'81   | — 0'45    | — 0'35    | + 4'52  |
| HYDERABAD                    | Nandair .                  | — 0'16   | 0         | — 0'09 | + 0'03 | + 2'62 | + 0'50  | + 4'67  | — 0'73  | — 4'17     | + 3'50   | — 0'54    | — 1'00    | + 4'63  |
|                              | Bheer .                    | — 0'18   | — 0'02    | — 0'13 | — 0'28 | + 0'08 | + 4'19  | + 0'96  | — 1'37  | — 4'25     | + 7'82   | — 0'59    | + 2'85    | + 9'08  |
|                              | Mominabad .                | — 0'07   | 0         | — 0'21 | — 0'40 | + 0'33 | + 2'17  | + 3'02  | + 1'34  | — 5'10     | + 6'22   | — 1'05    | — 0'49    | + 5'76  |
|                              | Indur .                    | — 0'05   | — 0'01    | — 0'30 | — 0'14 | + 0'35 | + 3'92  | + 11'27 | + 10'26 | — 3'48     | + 1'61   | — 0'81    | — 0'46    | + 22'16 |
|                              | Yelgandal .                | — 0'06   | — 0'17    | — 0'28 | — 0'50 | — 0'28 | + 4'57  | + 4'80  | + 8'55  | — 5'13     | + 7'18   | — 0'95    | — 0'18    | + 17'55 |
|                              | Medak .                    | — 0'03   | — 0'15    | — 0'41 | — 0'79 | + 0'19 | + 5'07  | + 2'08  | + 3'63  | — 2'36     | + 1'51   | — 0'13    | — 0'08    | + 8'53  |
|                              | Ibrahimpatan .             | + 0'43   | — 0'06    | + 0'76 | — 0'73 | — 1'20 | + 0'84  | + 1'19  | + 2'85  | — 2'46     | + 0'58   | — 1'15    | — 0'25    | + 0'80  |
|                              | Naldurg .                  | 0        | 0         | — 0'21 | — 0'26 | + 1'94 | + 0'23  | + 4'44  | + 6'74  | — 4'65     | + 5'14   | — 0'12    | + 0'96    | + 14'21 |
|                              | Bidar .                    | 0        | 0         | — 0'38 | — 0'81 | + 1'18 | + 0'67  | + 0'76  | + 4'83  | + 0'35     | + 4'84   | — 0'51    | — 0'53    | + 10'40 |
|                              | Gulbarga .                 | — 0'06   | — 0'14    | — 0'26 | — 0'43 | + 0'10 | + 0'48  | — 0'04  | + 2'49  | — 2'57     | + 1'19   | — 0'48    | — 0'25    | + 0'03  |
|                              | Bolarum .                  | — 0'15   | — 0'19    | — 0'44 | — 0'42 | + 1'04 | + 2'00  | + 1'85  | + 4'20  | — 3'00     | + 1'40   | + 0'27    | — 0'33    | + 6'23  |

TABLE XXIX.—Comparison of the monthly and total rainfall in 1886, with the averages of Table XXVIII—continued.

| PROVINCES.           | STATIONS.                 | January. | February. | March. | April. | May.   | June.   | July.   | August. | September. | October. | November. | December. | Total.  |
|----------------------|---------------------------|----------|-----------|--------|--------|--------|---------|---------|---------|------------|----------|-----------|-----------|---------|
| HYDERABAD<br>—contd. | Secunderabad .            | — 0'27   | — 0'22    | — 0'68 | — 0'51 | — 0'35 | + 3'12  | + 2'42  | + 4'35  | — 2'36     | + 1'22   | + 0'07    | — 0'14    | + 6'65  |
|                      | Hyderabad (Residency).    | — 0'14   | — 0'06    | — 0'28 | — 0'52 | + 0'81 | + 3'22  | + 2'69  | + 3'03  | — 5'96     | + 3'00   | — 0'16    | — 0'62    | + 5'01  |
|                      | Nalgonda .                | — 0'20   | — 0'01    | + 0'24 | — 0'37 | + 1'03 | + 2'67  | — 0'22  | + 3'63  | — 2'19     | + 5'70   | + 0'61    | + 0'07    | + 7'68  |
|                      | Khamam .                  | — 0'29   | — 0'25    | + 2'43 | — 0'28 | — 0'03 | + 3'66  | + 3'32  | + 3'45  | — 2'71     | + 3'85   | — 1'15    | + 0'41    | + 12'41 |
|                      | Sirpur .                  | 0        | 0         | + 0'54 | + 0'57 | + 0'69 | — 0'49  | — 2'38  | + 1'55  | — 2'93     | + 3'07   | — 0'33    | — 2'61    | — 2'32  |
|                      | Nagar Karnul .            | — 0'06   | — 0'03    | — 0'39 | — 0'34 | — 0'41 | + 0'62  | + 2'98  | + 0'48  | — 3'16     | + 4'20   | — 0'32    | — 0'49    | + 3'08  |
|                      | Raichur .                 | — 0'05   | 0         | — 0'28 | — 0'54 | + 4'57 | + 1'44  | + 3'52  | + 3'24  | — 1'48     | + 3'05   | — 0'01    | + 0'15    | + 13'61 |
|                      | Dhulia .                  | — 0'34   | — 0'05    | — 0'01 | — 0'03 | + 0'93 | + 6'70  | + 0'54  | — 1'01  | + 1'60     | + 2'84   | — 0'47    | + 0'71    | + 11'41 |
|                      | Nasik .                   | — 0'07   | — 0'04    | — 0'02 | — 0'09 | + 2'03 | + 5'74  | + 0'12  | — 1'95  | — 2'85     | + 5'41   | — 0'24    | — 0'18    | + 7'86  |
|                      | Igatpuri .                | — 0'16   | — 0'10    | — 0'05 | — 0'08 | + 1'03 | + 1'22  | + 10'15 | — 7'99  | — 6'70     | + 8'17   | — 0'10    | — 0'27    | + 5'12  |
|                      | Malegaon .                | — 0'23   | — 0'17    | — 0'02 | — 0'21 | + 0'36 | + 2'08  | — 0'91  | + 0'46  | — 1'28     | + 5'03   | — 0'40    | — 0'43    | + 4'28  |
|                      | Ahmednagar .              | — 0'38   | — 0'07    | — 0'17 | — 0'47 | + 0'85 | + 0'54  | + 0'85  | + 4'50  | — 1'52     | + 7'04   | — 0'69    | + 7'04    | + 17'52 |
|                      | Poona .                   | — 0'23   | — 0'04    | — 0'17 | + 0'18 | — 1'07 | + 2'90  | — 1'67  | — 3'10  | — 0'27     | + 7'74   | + 0'41    | + 0'17    | — 0'95  |
|                      | Lanauli .                 | — 0'05   | — 0'02    | — 0'12 | — 0'11 | + 2'60 | + 2'71  | + 3'97  | — 6'32  | — 15'14    | + 2'56   | + 1'11    | + 0'25    | — 8'56  |
|                      | Satara .                  | — 0'32   | — 0'07    | — 0'07 | — 0'41 | + 1'27 | + 1'03  | — 3'77  | — 4'08  | — 1'80     | + 4'45   | — 0'20    | + 1'00    | — 2'97  |
|                      | Mohableshwar .            | — 0'37   | — 0'05    | — 0'36 | — 0'57 | + 3'54 | + 5'05  | + 8'76  | — 4'68  | — 17'66    | + 6'10   | + 1'40    | + 0'66    | + 1'82  |
|                      | Sholapur .                | — 0'04   | — 0'11    | — 0'26 | — 0'66 | — 0'45 | — 0'39  | + 1'11  | + 2'88  | — 4'26     | + 6'62   | — 0'62    | + 3'65    | + 7'47  |
|                      | Kolhapur .                | — 0'03   | — 0'02    | — 0'07 | — 0'59 | — 0'39 | + 6'95  | + 1'70  | — 3'05  | — 1'48     | + 4'69   | + 0'06    | + 0'93    | + 8'70  |
|                      | Baura .                   | — 0'15   | — 0'01    | — 0'04 | — 0'46 | — 0'39 | + 20'02 | + 3'97  | — 0'28  | — 23'40    | + 11'14  | — 1'42    | — 0'02    | + 8'96  |
|                      | Belgaum .                 | — 0'07   | — 0'02    | — 0'46 | — 1'06 | + 2'79 | + 1'22  | — 2'55  | — 4'79  | — 2'81     | + 0'52   | — 0'52    | — 0'06    | — 7'81  |
| BOMBAY .             | Gokak .                   | — 0'06   | 0         | — 0'40 | — 0'70 | + 0'86 | + 0'67  | + 1'54  | + 0'49  | — 0'13     | + 5'81   | — 0'36    | + 0'83    | + 8'55  |
|                      | Dharwar .                 | — 0'13   | — 0'02    | — 0'32 | — 0'86 | + 2'54 | — 0'63  | — 0'93  | — 3'43  | + 0'59     | + 2'23   | — 1'10    | + 0'35    | — 1'71  |
|                      | Hubli .                   | — 0'07   | 0         | — 0'28 | — 0'50 | + 1'42 | — 1'93  | — 1'25  | — 1'85  | + 0'66     | + 2'23   | — 0'54    | 0         | — 2'11  |
|                      | Nargund .                 | — 0'19   | — 0'11    | — 0'21 | + 0'48 | + 1'28 | + 2'46  | — 0'08  | + 0'20  | — 0'28     | + 4'04   | — 0'51    | + 0'93    | + 8'01  |
|                      | Mandargi .                | — 0'31   | 0         | — 0'22 | — 0'13 | + 2'58 | + 0'57  | — 0'67  | + 1'97  | — 0'72     | — 1'50   | — 0'53    | + 0'15    | + 1'19  |
|                      | Kalghatgi .               | — 0'06   | 0         | — 0'23 | — 0'19 | + 4'10 | — 2'27  | + 2'89  | — 2'04  | + 0'48     | + 1'85   | — 0'35    | — 0'28    | + 3'90  |
|                      | Bijapur .                 | — 0'05   | — 0'02    | — 0'19 | + 0'36 | + 0'10 | + 1'40  | — 0'22  | + 0'40  | — 1'01     | + 5'93   | — 0'84    | + 1'04    | + 6'90  |
|                      | Honawar .                 | — 0'24   | 0         | — 0'14 | — 0'26 | — 0'33 | — 0'57  | + 19'14 | — 9'31  | — 10'57    | + 5'61   | — 0'41    | — 0'18    | + 2'74  |
|                      | Karwar .                  | — 0'15   | 0         | — 0'06 | — 0'31 | + 2'65 | + 13'94 | + 24'26 | — 5'50  | — 8'37     | + 6'17   | — 0'86    | — 0'17    | + 31'60 |
|                      | Goa .                     | — 0'14   | 0         | — 0'03 | — 0'10 | + 7'83 | — 7'90  | + 17'64 | — 5'20  | — 8'73     | + 6'12   | — 0'18    | — 0'12    | + 9'19  |
|                      | Vingurla .                | — 0'18   | 0         | — 0'06 | — 0'06 | + 1'83 | — 2'94  | + 15'96 | — 5'69  | — 8'42     | + 7'58   | — 0'49    | + 0'21    | + 7'74  |
|                      | Ratnagiri .               | — 0'95   | — 0'01    | 0      | — 0'11 | + 0'38 | + 7'02  | + 20'04 | + 3'47  | — 9'42     | + 1'34   | — 0'53    | — 0'05    | + 21'18 |
|                      | Colaba (Observatory).     | — 0'11   | — 0'02    | 0      | — 0'02 | + 0'42 | + 22'66 | + 11'12 | — 4'39  | — 4'24     | — 0'12   | + 0'14    | — 0'60    | + 24'84 |
|                      | Byculla (J. J. Hospital). | — 0'13   | 0         | — 0'01 | 0      | + 0'80 | + 17'43 | + 9'26  | — 9'19  | — 6'70     | + 0'30   | + 0'44    | — 0'06    | + 12'14 |
|                      | Tanna .                   | — 0'03   | — 0'07    | — 0'01 | 0      | — 0'05 | + 14'36 | + 12'09 | — 7'09  | — 6'13     | + 7'37   | 0         | — 0'07    | + 20'37 |
|                      | Matheran .                | — 0'06   | — 0'01    | — 0'01 | — 0'03 | + 5'01 | + 5'76  | + 8'18  | — 2'86  | — 16'62    | + 7'33   | + 0'09    | — 0'08    | + 6'70  |
|                      | Surat .                   | — 0'04   | — 0'03    | 0      | 0      | — 0'16 | + 5'69  | + 6'10  | — 0'10  | — 5'32     | + 1'32   | — 0'80    | — 0'04    | + 6'62  |
|                      | Broach .                  | — 0'06   | — 0'02    | — 0'01 | 0      | + 0'69 | + 1'84  | + 2'94  | — 2'06  | — 2'98     | + 2'83   | — 0'13    | — 0'05    | + 2'99  |
|                      | Kaira .                   | — 0'03   | — 0'20    | + 0'06 | — 0'05 | — 0'24 | + 2'84  | + 8'32  | — 1'55  | — 2'62     | — 0'17   | — 0'14    | — 0'06    | + 6'16  |
|                      | Bariya .                  | — 0'08   | — 0'29    | 0      | 0      | + 0'03 | + 1'29  | + 1'11  | — 0'65  | — 8'99     | + 4'39   | — 0'07    | 0         | — 3'26  |
|                      | Godhra .                  | — 0'06   | — 0'14    | — 0'01 | — 0'01 | — 0'23 | + 2'94  | — 3'15  | — 0'79  | — 7'26     | + 4'17   | — 0'04    | — 0'07    | — 4'65  |

TABLE XXIX.—Comparison of the monthly and total rainfall in 1886, with the averages of Table XXVIII—continued

| PROVINCES.        | STATIONS.       | January. | February. | March. | April. | May.   | June.  | July.   | August. | September. | October. | November. | December. | Total.  |
|-------------------|-----------------|----------|-----------|--------|--------|--------|--------|---------|---------|------------|----------|-----------|-----------|---------|
| BOMBAY—<br>contd. | Dohad . .       | — 0'08   | — 0'22    | — 0'02 | — 0'04 | — 0'13 | + 0'95 | — 1'84  | — 0'60  | — 7'27     | + 2'17   | — 0'05    | — 0'10    | — 7'23  |
|                   | Ahmedabad . .   | — 0'01   | — 0'07    | — 0'02 | — 0'03 | + 0'47 | + 4'71 | + 7'14  | — 4'11  | — 3'89     | — 0'19   | — 0'03    | — 0'04    | + 3'93  |
|                   | Edar . .        | — 0'03   | — 0'17    | 0      | — 0'02 | + 0'83 | + 5'82 | + 13'45 | — 1'72  | — 5'33     | + 1'65   | — 0'09    | — 0'04    | + 14'35 |
|                   | Deesa . .       | — 0'11   | — 0'18    | — 0'09 | — 0'05 | — 0'04 | — 1'04 | + 1'47  | + 0'47  | — 2'74     | — 0'74   | — 0'06    | — 0'04    | — 3'15  |
|                   | Wadhwan . .     | — 0'04   | — 0'03    | — 0'05 | — 0'01 | + 0'75 | — 0'94 | + 1'72  | + 1'41  | — 1'77     | + 1'34   | — 0'21    | — 0'01    | + 2'16  |
|                   | Palanpur . .    | — 0'05   | — 0'20    | — 0'03 | — 0'01 | — 0'63 | — 0'39 | + 5'62  | + 0'63  | — 4'33     | + 0'29   | 0         | — 0'07    | + 0'83  |
|                   | Rajkot . .      | — 0'05   | — 0'07    | — 0'01 | — 0'01 | + 1'32 | + 5'22 | + 13'40 | — 3'00  | — 3'67     | + 0'29   | — 0'18    | — 0'06    | + 13'18 |
|                   | Songad . .      | — 0'04   | — 0'10    | — 0'05 | — 0'03 | + 1'28 | + 4'66 | + 4'81  | — 0'99  | — 5'18     | + 1'90   | — 0'03    | — 0'01    | + 6'22  |
|                   | Manakwara . .   | — 0'03   | — 0'06    | — 0'08 | — 0'11 | + 0'07 | + 7'77 | + 5'08  | — 0'51  | — 3'98     | + 0'95   | + 0'19    | — 0'06    | + 9'09  |
|                   | Bhuj . .        | + 0'04   | — 0'10    | — 0'11 | — 0'16 | — 0'16 | — 0'67 | + 3'64  | — 2'85  | — 2'31     | — 0'82   | 0         | — 0'04    | — 3'54  |
|                   | Rhahpur . .     | — 0'03   | 0         | — 0'12 | — 0'13 | — 0'06 | + 0'88 | — 0'57  | + 0'26  | — 3'51     | — 1'03   | 0         | 0         | — 4'31  |
|                   | Nagar . .       | — 0'05   | — 0'06    | — 0'05 | — 0'03 | — 0'28 | + 4'65 | + 4'99  | — 3'06  | — 1'83     | — 0'35   | 0         | — 0'03    | + 3'90  |
|                   | Kurrachee . .   | — 0'57   | — 0'23    | + 0'05 | — 0'18 | — 0'05 | — 0'19 | + 5'71  | — 1'70  | — 0'77     | — 0'02   | + 0'18    | — 0'18    | + 2'05  |
|                   | Sehwan . .      | + 0'08   | — 0'24    | + 0'03 | — 0'20 | + 0'37 | — 0'15 | + 1'41  | — 2'35  | — 0'74     | 0        | + 0'05    | — 0'14    | — 1'88  |
|                   | Tatta . .       | — 0'18   | — 0'11    | — 0'07 | — 0'48 | — 0'02 | — 0'84 | + 3'37  | — 1'23  | — 1'15     | 0        | + 0'03    | — 0'05    | — 0'73  |
|                   | Hyderabad . .   | — 0'19   | — 0'14    | + 0'67 | — 0'21 | — 0'06 | — 0'39 | + 2'43  | — 2'15  | — 0'80     | 0        | + 0'57    | — 0'01    | — 0'28  |
|                   | Umarkot . .     | — 0'14   | — 0'06    | + 0'20 | — 0'14 | — 0'08 | — 0'96 | + 3'75  | — 2'76  | — 0'94     | — 0'24   | 0         | — 0'01    | — 1'38  |
|                   | Shikarpur . .   | + 0'25   | — 0'27    | + 1'04 | — 0'20 | + 0'07 | — 0'11 | — 0'13  | — 1'64  | — 0'25     | 0        | + 0'11    | — 0'11    | — 1'24  |
|                   | Rohri . .       | + 0'05   | — 0'46    | + 0'07 | — 0'29 | — 0'22 | — 0'25 | 0       | — 1'27  | — 0'36     | — 0'02   | + 0'29    | — 0'19    | — 2'65  |
|                   | Jacobabad . .   | + 0'13   | — 0'18    | — 0'01 | — 0'17 | — 0'14 | — 0'08 | + 0'26  | — 1'40  | — 0'26     | — 0'01   | — 0'06    | — 0'10    | — 2'02  |
|                   | Ganjam . .      | — 0'16   | — 0'54    | — 0'88 | — 0'82 | — 0'56 | — 2'97 | + 1'44  | + 2'29  | + 0'99     | + 11'65  | + 4'83    | + 5'68    | + 20'95 |
|                   | Gopalpur . .    | — 0'17   | — 0'67    | + 0'37 | — 0'83 | + 0'84 | — 5'08 | — 0'23  | + 0'39  | + 6'11     | + 11'29  | + 3'50    | + 4'20    | + 19'72 |
|                   | Aska . .        | + 0'42   | — 0'51    | + 2'25 | — 1'53 | + 0'68 | — 0'42 | + 1'28  | + 1'87  | + 8'45     | + 5'00   | + 4'18    | + 2'47    | + 24'14 |
|                   | Vizianagram . . | — 0'17   | — 0'45    | + 0'10 | — 0'44 | + 0'70 | + 0'04 | + 0'75  | + 10'56 | + 1'50     | + 6'64   | + 9'10    | + 4'41    | + 32'74 |
|                   | Bimlipatam . .  | — 0'29   | — 0'50    | — 0'10 | — 0'19 | + 1'49 | — 0'14 | + 1'20  | + 6'46  | — 1'47     | + 10'22  | + 6'21    | + 4'54    | + 27'43 |
|                   | Rayaghatta . .  | + 0'16   | — 0'12    | + 1'95 | — 1'51 | — 0'41 | — 1'98 | + 2'51  | + 3'52  | + 1'00     | + 0'74   | + 1'03    | + 0'57    | + 7'46  |
|                   | Nourangapur . . | ?        | ?         | ?      | ?      | + 0'80 | — 4'82 | — 1'70  | — 2'86  | + 1'58     | + 4'39   | + 1'64    | — 0'19    | ?       |
|                   | Gunipur . .     | ?        | ?         | ?      | — 1'89 | — 0'45 | + 0'19 | + 0'17  | + 4'49  | — 0'74     | + 4'16   | + 0'59    | + 1'03    | ?       |
|                   | Jeypur . .      | ?        | ?         | ?      | ?      | + 1'79 | — 1'59 | — 4'28  | + 3'92  | — 0'78     | + 4'22   | + 1'05    | + 0'14    | ?       |
|                   | Koraput . .     | 0        | 0         | — 0'08 | — 0'11 | + 2'09 | — 5'56 | — 0'93  | + 3'53  | + 0'87     | + 2'57   | + 0'44    | — 0'04    | + 2'78  |
| MADRAS .          | Malkanagiri . . | ?        | ?         | ?      | ?      | + 3'15 | — 0'10 | — 0'37  | + 3'22  | — 5'24     | + 4'36   | + 0'41    | + 0'26    | ?       |
|                   | Narsapatnam . . | — 0'35   | — 0'45    | + 0'83 | — 1'03 | + 3'13 | — 0'65 | + 9'90  | + 5'47  | — 0'51     | + 6'50   | + 0'24    | + 1'02    | + 24'10 |
|                   | Vizagapatam . . | — 0'38   | — 0'27    | — 0'19 | — 0'55 | + 1'86 | — 1'22 | + 2'68  | + 7'08  | — 2'39     | + 18'71  | + 7'58    | + 0'34    | + 33'25 |
|                   | Cocanada . .    | — 0'25   | — 0'23    | + 0'70 | — 0'44 | + 0'53 | + 7'65 | + 1'74  | — 0'87  | — 1'50     | + 10'23  | — 0'72    | + 0'90    | + 17'74 |
|                   | Rajahmundry . . | — 0'17   | — 0'27    | + 1'33 | — 0'94 | + 1'90 | + 7'56 | + 3'41  | + 3'73  | — 4'93     | + 10'06  | + 1'26    | + 0'70    | + 23'64 |
|                   | Ellore . .      | — 0'25   | — 0'12    | + 0'54 | — 0'59 | + 1'00 | + 2'36 | + 4'62  | + 11'41 | — 3'96     | + 5'25   | — 0'41    | + 0'30    | + 20'15 |
|                   | Masulipatam . . | — 0'27   | — 0'12    | — 0'06 | — 0'05 | — 0'06 | + 3'11 | — 0'88  | + 13'90 | — 0'21     | + 3'00   | — 2'33    | + 1'95    | + 17'98 |
|                   | Guntur . .      | — 0'35   | — 0'14    | + 0'21 | — 0'59 | — 0'21 | + 4'06 | + 1'81  | + 5'50  | — 2'80     | — 0'20   | — 1'39    | + 2'99    | + 8'89  |
|                   | Vinukonda . .   | — 0'32   | — 0'01    | + 1'59 | — 0'40 | + 3'99 | + 1'05 | + 0'94  | + 4'48  | — 0'08     | + 6'81   | + 3'48    | — 0'12    | + 21'41 |
|                   | Ongole . .      | — 0'31   | — 0'03    | + 0'44 | — 0'18 | + 0'81 | + 1'33 | + 2'86  | + 4'07  | — 0'87     | + 11'39  | — 2'22    | + 0'30    | + 17'59 |
|                   | Nellore . .     | — 0'47   | — 0'10    | — 0'34 | — 0'12 | + 2'91 | — 0'82 | + 0'62  | + 1'89  | + 0'42     | + 5'56   | — 6'17    | — 1'83    | + 1'65  |

TABLE XXIX.—Comparison of the monthly and total rainfall in 1886, with the averages of Table XXVIII—continued.

| PROVINCES.        | STATIONS.                                      | January. | February. | March. | April. | May.   | June.  | July.  | August. | September. | October. | November. | December. | Total.  |
|-------------------|------------------------------------------------|----------|-----------|--------|--------|--------|--------|--------|---------|------------|----------|-----------|-----------|---------|
| MADRAS—<br>contd. | Udayagiri .                                    | — 0'44   | — 0'21    | — 0'32 | — 0'33 | + 1'76 | — 1'37 | + 0'24 | — 0'58  | — 1'60     | + 4'00   | — 5'81    | — 0'56    | — 5'22  |
|                   | Tada .                                         | — 0'75   | — 0'71    | — 0'31 | — 0'16 | + 2'46 | — 0'95 | — 2'71 | — 4'40  | — 3'53     | — 4'65   | — 4'12    | — 2'05    | — 21'88 |
|                   | Kurnool .                                      | — 0'05   | — 0'04    | — 0'05 | — 0'67 | — 0'23 | + 2'48 | + 2'43 | + 1'03  | — 2'97     | + 6'41   | — 0'38    | + 0'06    | + 8'02  |
|                   | Cumbum .                                       | — 0'11   | — 0'05    | — 0'34 | — 0'17 | — 0'53 | + 1'21 | + 0'05 | + 0'03  | — 3'01     | + 9'05   | — 1'75    | — 0'26    | + 4'12  |
|                   | Nandyal .                                      | — 0'09   | — 0'03    | — 0'18 | — 0'41 | — 0'64 | — 0'26 | + 2'67 | + 0'93  | — 5'63     | + 7'12   | — 1'15    | 0         | + 2'33  |
|                   | Bellary .                                      | — 0'15   | — 0'04    | — 0'55 | — 0'71 | — 0'80 | + 1'20 | — 0'15 | + 0'08  | — 2'35     | — 1'12   | + 0'01    | — 0'02    | — 4'60  |
|                   | Gooty .                                        | — 0'05   | — 0'06    | — 0'06 | — 0'31 | + 0'06 | + 1'41 | + 2'82 | + 0'05  | — 2'47     | + 0'75   | + 0'29    | + 0'10    | + 2'53  |
|                   | Adoni .                                        | — 0'07   | 0         | — 0'04 | — 0'48 | + 0'44 | + 2'90 | — 0'16 | + 1'61  | — 3'79     | + 5'60   | + 0'20    | + 0'23    | + 6'44  |
|                   | Dharmavaram .                                  | — 0'01   | — 0'17    | — 0'26 | — 0'36 | — 1'46 | + 0'91 | + 4'54 | + 2'52  | — 2'95     | — 3'12   | — 0'10    | + 0'47    | + 0'01  |
|                   | Cuddapah .                                     | — 0'11   | — 0'01    | — 0'24 | — 0'32 | + 1'29 | — 1'02 | + 1'15 | + 1'86  | — 1'80     | + 5'47   | — 1'27    | + 0'38    | + 5'38  |
|                   | Madanapalle .                                  | — 0'16   | — 0'11    | — 0'48 | — 0'72 | + 1'61 | — 1'22 | + 2'95 | + 1'81  | + 4'13     | — 1'94   | + 0'91    | — 0'31    | + 6'47  |
|                   | Chittoor .                                     | — 0'32   | — 0'21    | + 0'47 | — 0'45 | + 1'62 | — 1'06 | + 1'12 | — 0'41  | + 0'65     | — 2'51   | — 1'71    | — 1'81    | — 4'62  |
|                   | Vellore .                                      | — 0'65   | — 0'32    | — 0'06 | — 0'45 | + 6'54 | + 4'30 | + 2'27 | — 2'51  | + 1'27     | — 0'59   | — 1'86    | — 1'31    | + 6'63  |
|                   | Chandragiri .                                  | — 0'32   | — 0'25    | + 0'40 | — 0'50 | + 2'15 | — 1'55 | + 4'04 | + 1'66  | — 3'54     | — 0'77   | — 0'35    | — 1'41    | — 0'44  |
|                   | Arcot .                                        | — 0'33   | — 0'56    | — 0'41 | — 0'49 | + 1'50 | + 5'31 | + 2'52 | + 4'29  | — 0'34     | + 2'61   | — 3'43    | — 1'51    | + 9'16  |
|                   | Madras .                                       | — 0'43   | — 0'29    | — 0'05 | — 0'64 | + 3'54 | + 5'58 | + 1'82 | — 1'86  | — 3'86     | — 0'72   | — 2'67    | — 1'90    | — 1'48  |
|                   | Palmaner .                                     | — 0'21   | — 0'21    | + 0'65 | — 0'54 | + 3'72 | + 0'10 | + 3'32 | + 0'94  | — 0'87     | — 0'90   | — 1'29    | — 1'09    | + 5'36  |
|                   | Saidapet .                                     | + 0'70   | — 0'31    | — 0'14 | — 0'20 | + 2'93 | + 3'51 | + 5'32 | — 2'07  | — 3'97     | — 0'18   | — 9'51    | — 2'80    | — 6'72  |
|                   | Chingleput .                                   | — 0'31   | — 0'30    | + 0'05 | — 0'14 | + 3'68 | + 6'80 | + 4'08 | + 2'09  | — 3'58     | + 0'50   | — 2'96    | — 1'01    | + 8'90  |
|                   | Conjeeveram .                                  | — 0'51   | — 0'40    | + 0'34 | — 0'33 | + 4'07 | + 4'49 | + 3'01 | + 0'15  | — 0'99     | — 0'62   | — 4'30    | — 1'36    | + 3'55  |
|                   | Tindivanam .                                   | — 0'41   | — 0'55    | + 0'51 | — 0'48 | + 4'13 | + 3'51 | + 1'68 | + 1'22  | + 6'13     | — 4'29   | — 2'98    | — 1'60    | + 6'87  |
|                   | Cuddalore .                                    | + 1'61   | — 0'28    | + 0'71 | — 0'91 | + 5'77 | + 3'28 | + 0'58 | + 8'80  | — 1'35     | + 0'26   | — 2'68    | — 1'37    | + 14'42 |
|                   | Vriddhachalam .                                | — 0'05   | — 0'31    | + 1'59 | — 0'45 | + 3'29 | — 0'77 | + 1'16 | + 7'78  | + 0'99     | — 3'08   | — 4'92    | — 0'40    | + 4'83  |
|                   | Udayarpalaiyam<br>(Jayankonda-<br>cholapuram.) | + 0'66   | — 0'32    | + 1'20 | — 0'68 | + 3'15 | + 1'47 | + 0'85 | + 1'45  | — 0'01     | — 4'47   | — 4'62    | — 2'32    | — 3'64  |
|                   | Salem .                                        | — 0'34   | — 0'07    | — 0'36 | — 1'85 | + 5'39 | — 0'77 | — 0'32 | + 2'44  | + 1'08     | — 2'39   | — 1'26    | — 0'48    | + 1'07  |
|                   | Atur .                                         | — 0'40   | — 0'24    | — 0'63 | — 1'34 | — 0'41 | — 0'24 | + 1'83 | + 1'73  | — 2'48     | — 5'34   | — 4'15    | — 1'30    | — 12'97 |
|                   | Shevaroy Hills .                               | + 0'21   | — 0'16    | + 1'80 | — 2'34 | + 3'11 | + 4'49 | + 3'41 | + 12'25 | + 1'84     | — 1'48   | — 2'35    | — 2'13    | + 18'65 |
|                   | Kumbakonam .                                   | + 0'13   | — 0'48    | — 0'41 | — 0'65 | + 6'03 | + 2'49 | + 5'94 | + 10'24 | + 0'98     | — 4'36   | — 4'25    | — 3'93    | + 11'73 |
|                   | Tirupatur .                                    | — 0'13   | — 0'32    | + 1'65 | — 0'28 | + 0'14 | + 0'80 | — 1'20 | + 8'20  | + 5'70     | — 4'50   | — 1'70    | + 0'77    | + 9'13  |
|                   | Hosur .                                        | — 0'25   | — 0'28    | — 0'60 | — 0'55 | + 1'30 | + 2'95 | + 4'03 | + 2'27  | + 6'00     | — 4'23   | + 0'88    | + 0'11    | + 11'63 |
|                   | Tranquebar .                                   | + 1'88   | — 0'07    | — 0'08 | — 1'09 | + 2'60 | + 2'81 | + 3'65 | + 4'25  | + 0'70     | — 2'39   | — 1'42    | — 5'92    | + 4'92  |
|                   | Negapatam .                                    | + 2'87   | + 3'49    | + 0'21 | — 0'94 | + 5'88 | + 1'21 | + 2'90 | + 6'93  | + 0'26     | + 3'39   | — 1'63    | — 2'71    | + 21'86 |
|                   | Tanjore .                                      | + 0'23   | — 0'28    | — 0'45 | — 0'49 | + 7'71 | + 1'64 | + 4'53 | — 0'31  | + 1'33     | + 1'28   | — 1'80    | — 3'18    | + 10'21 |
|                   | Putukota .                                     | + 1'46   | — 0'13    | — 0'34 | — 1'06 | + 2'50 | + 0'80 | + 2'06 | + 5'52  | + 3'64     | + 4'20   | — 1'39    | — 2'58    | + 14'68 |
|                   | Trichinopoly .                                 | — 0'75   | — 0'51    | + 0'41 | — 1'84 | + 8'45 | — 0'66 | + 4'03 | + 3'23  | — 3'43     | — 4'34   | — 1'13    | — 2'66    | + 0'80  |
|                   | Karur .                                        | — 0'29   | — 0'12    | — 0'14 | — 1'70 | + 2'88 | + 0'50 | + 0'67 | + 2'79  | + 0'91     | — 5'13   | — 2'48    | — 1'07    | + 3'18  |
|                   | Coimbatore .                                   | — 0'19   | — 0'12    | — 0'59 | — 0'57 | + 2'97 | — 0'51 | + 0'01 | + 0'11  | + 1'06     | — 4'32   | — 0'27    | — 0'83    | + 3'25  |
|                   | Kollegal .                                     | — 0'22   | — 0'05    | — 0'15 | — 1'14 | + 3'51 | + 0'80 | + 3'93 | + 3'65  | + 2'41     | — 5'20   | — 0'46    | — 0'74    | + 6'34  |
|                   | Dindigul .                                     | — 0'02   | — 0'31    | + 1'13 | — 0'91 | + 4'57 | — 0'14 | + 3'41 | + 0'86  | + 3'36     | — 4'63   | — 3'63    | — 2'17    | + 1'52  |
|                   | Madura (Obsy.)                                 | — 0'28   | — 0'38    | + 0'06 | — 1'99 | + 4'33 | — 0'62 | + 4'67 | + 1'21  | + 7'46     | — 3'99   | — 3'90    | — 1'70    | + 4'87  |

TABLE XXIX.—Comparison of the monthly and total rainfall in 1886, with the averages of Table XXVIII—continued.

| PROVINCES.           | STATIONS.      | January. | February. | March  | April. | May.   | June.   | July.   | August. | September. | October. | November. | December. | Total.  |
|----------------------|----------------|----------|-----------|--------|--------|--------|---------|---------|---------|------------|----------|-----------|-----------|---------|
| MADRAS—<br>contd.    | Pasumali .     | — 0'42   | — 0'44    | — 0'75 | + 0'57 | + 0'57 | + 2'27  | + 2'46  | + 2'55  | + 2'16     | — 3'11   | — 3'23    | — 1'54    | + 1'09  |
|                      | Vattanam .     | + 0'09   | — 0'84    | — 0'69 | — 1'20 | + 0'52 | + 0'69  | + 1'06  | + 3'85  | + 3'77     | + 4'69   | — 3'00    | — 3'77    | + 5'17  |
|                      | Periyakulam .  | — 0'79   | — 0'81    | + 1'03 | + 0'79 | + 2'56 | + 0'64  | + 1'08  | + 1'38  | + 1'16     | — 2'88   | — 3'64    | — 1'28    | — 0'76  |
|                      | Tinnevely .    | — 0'86   | — 0'89    | — 0'79 | — 0'86 | + 0'64 | — 0'68  | + 0'97  | + 0'44  | + 1'21     | 0        | — 5'34    | — 2'52    | — 8'68  |
|                      | Tuticorin .    | — 1'09   | — 0'57    | — 0'79 | — 1'12 | — 0'87 | + 0'16  | + 0'29  | + 0'86  | + 1'69     | + 4'76   | — 3'20    | — 1'64    | — 1'52  |
|                      | Satur .        | — 0'10   | — 0'61    | — 0'97 | — 1'26 | 0      | + 1'68  | + 3'36  | + 3'39  | + 2'24     | — 1'21   | — 2'42    | — 1'71    | + 2'39  |
|                      | Cochin .       | — 0'52   | — 0'71    | — 2'05 | + 0'77 | + 4'47 | — 5'73  | — 5'25  | — 1'42  | + 1'21     | — 0'92   | + 3'09    | — 1'26    | — 8'32  |
|                      | Palghat .      | — 0'06   | — 0'11    | — 0'47 | — 0'87 | + 5'83 | — 5'06  | — 2'25  | — 3'61  | — 1'33     | + 3'49   | — 1'14    | — 0'93    | — 6'51  |
|                      | Wellington .   | — 0'36   | — 0'31    | — 1'02 | — 1'62 | + 2'45 | — 0'44  | + 2'03  | + 0'81  | + 2'41     | — 1'38   | — 4'31    | — 2'77    | — 4'51  |
|                      | Manantoddy .   | — 0'24   | — 0'31    | — 1'07 | — 0'83 | + 3'08 | + 1'04  | + 0'32  | — 8'39  | — 1'95     | — 0'65   | — 0'14    | — 0'66    | — 9'80  |
|                      | Calicut .      | — 0'16   | + 0'15    | — 0'88 | — 0'88 | + 5'80 | — 9'30  | — 0'99  | — 8'41  | — 0'85     | + 1'58   | — 0'52    | — 0'24    | — 14'70 |
|                      | Tellicherry .  | — 0'39   | — 0'07    | — 0'35 | + 1'32 | + 7'57 | — 8'29  | + 2'77  | — 9'75  | — 0'93     | + 0'15   | — 0'16    | — 0'89    | — 9'02  |
|                      | Cannanore .    | — 0'51   | — 0'24    | — 0'12 | — 1'80 | + 8'11 | — 12'56 | — 0'26  | — 11'31 | — 0'55     | + 0'27   | — 0'98    | — 0'49    | — 20'44 |
|                      | Mangalore .    | — 0'16   | — 0'08    | — 0'12 | — 1'99 | + 1'25 | — 13'86 | + 1'14  | — 11'91 | — 1'18     | — 1'25   | + 1'74    | — 0'53    | — 26'95 |
| MYSORE AND<br>COORG. | Bangalore .    | — 0'21   | — 0'14    | — 0'26 | — 0'95 | + 1'08 | + 2'66  | + 2'06  | + 1'06  | + 1'66     | — 2'51   | + 3'78    | + 0'86    | + 9'09  |
|                      | Mysore .       | — 0'09   | — 0'13    | — 0'40 | — 1'62 | + 1'90 | — 0'54  | + 2'04  | + 1'78  | + 3'95     | — 2'50   | + 0'17    | — 0'33    | + 4'23  |
|                      | Shimoga .      | — 0'07   | — 0'12    | — 0'15 | — 1'11 | + 1'28 | + 17'31 | + 0'92  | — 1'00  | + 4'56     | — 0'66   | + 0'98    | — 0'40    | + 21'54 |
|                      | Mercara .      | — 0'29   | — 0'04    | — 1'03 | — 1'32 | + 4'14 | — 18'17 | + 1'89  | — 3'41  | — 5'90     | + 3'94   | + 0'05    | — 0'50    | — 20'64 |
|                      | Kolar .        | — 0'28   | — 0'02    | — 0'61 | — 0'72 | + 1'00 | — 1'22  | + 3'04  | — 1'24  | + 0'92     | — 3'55   | + 1'67    | — 0'36    | — 1'37  |
|                      | Tumkur .       | — 0'19   | — 0'24    | — 0'35 | — 0'91 | + 1'79 | + 2'45  | + 5'01  | + 8'24  | + 2'05     | — 3'27   | + 4'15    | + 0'28    | + 19'01 |
|                      | Chitaldroog .  | — 0'29   | — 0'02    | — 0'13 | — 1'02 | — 1'35 | — 1'75  | — 0'39  | — 1'73  | + 5'13     | — 2'89   | + 1'96    | — 0'27    | — 2'75  |
|                      | Chikmagalur .  | — 0'35   | — 0'13    | + 0'41 | — 1'24 | + 0'67 | + 0'76  | + 1'21  | — 1'03  | + 3'04     | — 2'17   | + 0'23    | + 0'12    | + 1'52  |
|                      | Hassan .       | — 1'13   | — 0'14    | — 0'57 | — 0'33 | + 3'89 | — 0'56  | + 1'32  | — 1'09  | + 3'25     | + 3'83   | + 1'02    | + 0'05    | + 9'54  |
|                      | Jaffna .       | + 3'11   | + 2'98    | — 1'20 | — 2'03 | + 2'35 | + 0'27  | + 2'47  | + 0'19  | + 0'21     | — 3'53   | — 6'33    | — 4'76    | — 6'27  |
| CEYLON               | Mannar .       | + 2'81   | + 0'13    | — 1'84 | + 0'49 | — 1'19 | — 0'80  | + 2'19  | + 4'03  | + 1'76     | — 2'62   | + 0'84    | — 4'13    | + 1'67  |
|                      | Trincomalee .  | + 3'18   | — 0'41    | — 1'21 | — 0'49 | + 1'49 | + 0'26  | + 2'29  | + 2'45  | — 1'78     | — 4'80   | — 1'39    | — 0'76    | — 1'17  |
|                      | Batticaloa .   | + 1'25   | — 1'30    | — 3'08 | — 1'33 | + 2'80 | — 0'17  | + 0'86  | + 1'52  | + 3'09     | + 0'36   | + 1'64    | — 2'85    | + 2'79  |
|                      | Hambantota .   | — 1'13   | — 0'92    | — 0'21 | — 0'14 | + 5'34 | — 0'26  | + 0'17  | + 0'08  | + 0'08     | — 2'46   | + 2'90    | + 1'40    | + 4'85  |
|                      | Galle .        | + 1'79   | — 2'23    | — 2'67 | + 0'73 | + 8'42 | — 1'90  | + 5'78  | — 1'91  | + 0'10     | — 1'14   | — 2'84    | + 6'20    | + 10'33 |
|                      | Ratnapura .    | + 3'92   | — 2'62    | — 4'14 | — 0'67 | + 5'51 | — 2'16  | + 5'42  | + 2'69  | + 6'72     | — 7'75   | — 5'87    | — 6'41    | — 5'36  |
|                      | Colombo .      | — 0'61   | — 1'42    | — 1'61 | — 1'49 | + 9'04 | + 0'10  | + 2'40  | — 2'74  | + 3'15     | + 3'20   | — 6'26    | — 4'03    | — 0'27  |
|                      | Kandy .        | + 4'25   | — 1'28    | + 0'77 | — 1'60 | + 4'29 | + 1'16  | + 3'27  | + 6'45  | + 4'27     | — 2'42   | — 4'90    | — 4'99    | + 9'27  |
|                      | Newera Eliya . | + 1'11   | — 1'09    | — 0'15 | — 1'13 | + 3'00 | — 2'02  | — 2'49  | + 4'28  | + 2'41     | + 0'57   | — 3'43    | — 2'53    | — 1'47  |
|                      | Puttalam .     | + 0'68   | + 1'01    | — 2'47 | — 1'69 | + 0'36 | + 0'87  | + 0'30  | — 0'37  | + 3'04     | + 0'34   | — 5'84    | — 1'41    | — 5'18  |
|                      | Anuradhapura . | — 2'19   | — 0'30    | — 2'31 | + 0'05 | + 0'53 | + 1'22  | + 2'84  | + 3'31  | + 2'91     | ?        | — 6'74    | — 5'85    | ?       |
|                      | Akyab .        | — 0'14   | — 0'18    | + 0'74 | — 1'61 | — 2'16 | — 23'99 | — 11'69 | — 5'70  | — 3'59     | — 2'13   | + 0'37    | — 0'59    | — 50'67 |
| BURMA                | Kyaukpyu .     | — 0'08   | — 0'05    | — 0'22 | — 0'81 | — 1'97 | — 2'48  | — 4'52  | + 1'43  | — 0'08     | + 1'23   | — 0'29    | + 0'78    | — 7'06  |
|                      | Sadoway .      | — 0'07   | — 0'04    | — 0'15 | — 1'15 | — 6'83 | + 5'57  | — 2'28  | — 6'71  | — 7'03     | + 1'53   | + 0'05    | — 0'19    | — 17'30 |
|                      | Rangoon .      | — 0'16   | + 1'43    | — 0'05 | — 1'81 | + 0'46 | + 4'62  | — 3'01  | — 0'79  | — 3'02     | + 4'03   | — 1'54    | — 0'07    | + 0'09  |
|                      | Bassein .      | — 0'12   | + 2'28    | — 0'06 | — 0'98 | — 1'82 | + 5'26  | — 4'33  | — 1'53  | — 2'40     | — 1'16   | — 0'05    | — 0'11    | — 5'02  |
|                      | Diamond Island | — 0'39   | + 1'03    | — 0'01 | — 1'61 | — 0'67 | — 5'10  | — 7'24  | + 0'54  | + 0'82     | — 6'16   | + 5'43    | — 1'53    | — 14'89 |



TABLE XXIX.—Comparison of the monthly and total rainfall in 1886, with the averages of Table XXVIII—concluded.

| PROVINCES.                | STATIONS.  | January.      | February. | March.        | April. | May.   | June.   | July.   | August. | September. | October. | November. | December. | Total.  |
|---------------------------|------------|---------------|-----------|---------------|--------|--------|---------|---------|---------|------------|----------|-----------|-----------|---------|
| BURMA—<br><i>contd.</i>   | Henzada .  | — 0'05 + 3'09 | 0         | — 0'60 + 0'54 | + 7'58 | — 0'87 | — 5'37  | + 1'67  | + 2'37  | — 0'75     | — 0'04   | + 7'57    |           |         |
|                           | Myanaung   | — 0'03 + 0'27 | — 0'02    | — 0'95        | — 1'60 | + 4'10 | — 3'83  | — 3'98  | — 3'17  | — 1'55     | + 0'56   | — 0'15    | — 10'35   |         |
|                           | Prome .    | — 0'01 + 0'06 | + 0'06    | — 0'79        | — 3'56 | + 3'31 | — 3'35  | + 0'41  | — 2'78  | — 0'17     | + 0'28   | — 0'03    | — 6'57    |         |
|                           | Thayetmyo  | + 0'01 + 0'09 | — 0'06    | — 0'25        | — 1'88 | + 0'64 | — 1'28  | — 2'04  | + 1'23  | — 2'98     | + 3'05   | — 0'04    | — 3'51    |         |
|                           | Toungoo .  | — 0'02 + 2'25 | + 0'09    | — 1'53        | + 2'53 | — 0'11 | — 0'52  | + 3'89  | — 2'96  | — 1'13     | — 0'27   | — 0'20    | + 2'02    |         |
|                           | Shwegyin   | + 0'08 + 2'66 | — 0'33    | — 2'30        | — 3'48 | — 6'94 | — 0'33  | + 10'17 | — 2'64  | — 2'16     | + 0'09   | — 0'10    | — 5'28    |         |
|                           | Moulmein   | — 0'02        | — 0'01    | — 0'06        | — 3'04 | + 0'28 | — 4'53  | — 0'66  | — 10'05 | — 14'50    | + 2'89   | — 1'46    | — 0'02    | — 31'18 |
|                           | Tavoy .    | — 0'18        | — 0'44    | + 0'75        | — 3'06 | — 0'77 | + 10'80 | + 1'78  | + 1'49  | + 2'76     | + 8'52   | — 2'12    | — 0'14    | + 19'39 |
|                           | Mergui .   | — 0'35 + 1'89 | — 0'09    | — 3'02        | + 4'83 | + 3'54 | + 6'02  | + 0'38  | + 3'27  | — 2'03     | — 0'77   | — 0'52    | + 13'15   |         |
| BAY ISLANDS               | Port Blair | — 0'71 + 0'40 | — 0'21    | — 0'09        | + 0'13 | — 3'95 | — 10'42 | — 0'80  | — 6'70  | + 1'19     | + 10'54  | — 2'50    | — 13'12   |         |
|                           | Nancowry   | + 2'04        | — 0'76    | — 1'64        | — 3'72 | + 5'08 | + 1'26  | + 1'93  | + 5'43  | + 1'85     | — 1'40   | + 12'48   | — 4'28    | + 18'27 |
| STRAITS SET-<br>TLEMENTS. | Singapore  | + 1'88        | — 2'02    | — 2'71        | — 0'93 | + 2'69 | + 1'55  | — 3'91  | + 7'92  | — 0'84     | + 0'69   | — 0'78    | — 2'93    | + 0'61  |

*January.*—The rainfall of the month was considerably above the average in the Punjab, and slightly above it in the hills and adjacent plain districts of the North-Western Provinces. The month was unusually dry in all other parts of India, and the rainfall was everywhere very small in amount and much below the average. The normal average rainfall of the month on the Punjab plains is very nearly one inch, whilst the average for January 1886 was nearly  $2\frac{1}{2}$  inches, or more than double the normal amount. The following table gives some of the more conspicuous cases of the increased rainfall in the Punjab :—

|                    | Actual rainfall.<br>January 1886. | Average rainfall.<br>January 1886. | Excess. |
|--------------------|-----------------------------------|------------------------------------|---------|
| Simla . . . . .    | 6'24                              | 2'84                               | +3'40   |
| Kilba . . . . .    | 17'57                             | 10'05                              | +7'52   |
| Sialkot . . . . .  | 4'15                              | 1'41                               | +2'74   |
| Lahore . . . . .   | 2'31                              | 0'69                               | +1'62   |
| Ludiana . . . . .  | 2'98                              | 1'35                               | +1'63   |
| Gujrat . . . . .   | 4'20                              | 1'83                               | +2'37   |
| Rohtak . . . . .   | 2'70                              | 0'77                               | +1'93   |
| Mooltan . . . . .  | 1'44                              | 0'39                               | +1'05   |
| Peshawar . . . . . | 4'01                              | 1'63                               | +2'38   |

The first rainy period of the month was on the 3rd and 4th. The largest amounts fell in the Himalayan and hill districts of the Punjab and the North-Western Provinces. 1'2 inches fell at Murree on the 3rd, 1'4 inches at Simla on the 4th, and 1'4 inches at Jullundur on the same day. Light showers fell in the Punjab plains and the western districts of the North-Western Provinces. The first important snow-fall of the year in Kulu and the North-Western Himalayas occurred on the 3rd January. There appears to have been no snow or rain in the highlands of Afghanistan and Beluchistan during this storm.

The second rainy period extended over the 13th and 14th, and occurred in the same districts as in the preceding case. The rainfall was much smaller in amount and more irregularly distributed.

The third disturbance of the month was much more extensive, and gave a much larger amount of rain. It commenced on the 18th in the Punjab, and continued (with a brief interval of fine dry weather in the plains on the 21st) until the evening of the 24th. It extended to the North-Western Provinces on the 19th, and lasted until the 21st, except on the hills, where rain and snow also fell on the 23rd and 24th. The same disturbance passed eastwards through Oudh on the 20th and Behar on the 21st, beyond which it apparently did not extend, although a few light showers occurred in Sikkim and Assam on the 21st and 22nd.

Heavy snow is reported to have fallen during this storm on the Safidkoh. In the Khyber and Afridi Hills to the west of Peshawar two feet of snow fell, and still larger amounts are stated to have fallen on the more distant and higher Bara, Tirah and Morgha ranges. Further falls occurred in the same hill districts on the 22nd, 23rd and 24th. No snow fell on Kulu between the 4th and the 22nd, when a very heavy fall brought the snow line down from 6,500 to 4,500 feet.

The following table gives the largest rainfalls during this period :—

| Date.              | Stations.            | Inches. |
|--------------------|----------------------|---------|
| January 19th . . . | Musoorie . . . . .   | 2'75    |
| Ditto . . . . .    | Kilba . . . . .      | 2'60    |
| Ditto . . . . .    | Simla . . . . .      | 1'89    |
| Ditto . . . . .    | Murree . . . . .     | 2'22    |
| Ditto . . . . .    | Peshawar . . . . .   | 2'22    |
| Ditto . . . . .    | Sialkot . . . . .    | 1'53    |
| Ditto . . . . .    | Almora . . . . .     | 1'34    |
| January 20th . . . | Kilba . . . . .      | 4'20    |
| Ditto . . . . .    | Simla . . . . .      | 1'20    |
| Ditto . . . . .    | Gujrat . . . . .     | 1'50    |
| Ditto . . . . .    | Dharamsala . . . . . | 1'31    |
| Ditto . . . . .    | Chakrata . . . . .   | 1'85    |
| Ditto . . . . .    | Ranikhet . . . . .   | 1'63    |
| Ditto . . . . .    | Roorkee . . . . .    | 1'46    |
| Ditto . . . . .    | Dehra-Dun . . . . .  | 1'61    |
| Ditto . . . . .    | Philibit . . . . .   | 1'50    |
| January 23rd . . . | Kohat . . . . .      | 1'21    |
| Ditto . . . . .    | Abbottabad . . . . . | 1'20    |
| Ditto . . . . .    | Murree . . . . .     | 1'60    |
| Ditto . . . . .    | Kilba . . . . .      | 1'20    |

The rainfall was from 1 to 3 inches in excess in all districts of the Punjab except in Delhi, Sirsa, Montgomery, Shahpur, Gurgaon and Kurnal, where on the whole the average amount was received. In the western districts of the North-Western Provinces it was slightly in excess, but over the eastern districts and in Behar, it was from a quarter of an inch to one inch below the normal.

Some showers fell in Rajputana on the 18th and 19th, and in Central India on the 21st,

22nd, and 23rd. In Bengal and Assam there was very little rain. Light local showers of no great importance occurred on the 25th, 26th, and 27th in Orissa and Chutia Nagpur, and on the 24th, 25th, and 28th, in several districts of South-West Bengal. In Assam showers were received between the 21st and the 28th, but the average total amount was barely a quarter of an inch.

The month was practically rainless in the remainder of India, with the exception of the southern districts of Madras, (*i.e.*, Madura, Trichinopoly, Negapatam, Tanjore, South Arcot, and Tinnevely) in which showers were received between the 2nd and 7th. Tranquebar obtained 2·3 inches on the 2nd, Negapatam 3·22 inches on the 3rd, and Cuddalore 1·33 inches on the 5th.

The following table summarizes the chief features of the rainfall of the month:—

| DISTRICTS.                                 | Normal average<br>rainfall of<br>month. | Actual average<br>in<br>1886. | Excess<br>or defect in<br>inches. | Excess or defect<br>expressed as a<br>percentage. |
|--------------------------------------------|-----------------------------------------|-------------------------------|-----------------------------------|---------------------------------------------------|
| Western Himalayas . . . . .                | 3·38                                    | 5·67                          | +2·29                             | +68                                               |
| Punjab Plains . . . . .                    | 1·08                                    | 2·33                          | +1·25                             | +116                                              |
| North-Western Provinces and Oudh . . . . . | 0·82                                    | 0·58                          | —0·24                             | —29                                               |
| Rajputana . . . . .                        | 0·18                                    | 0·11                          | —0·07                             | —39                                               |
| Central India States . . . . .             | 0·47                                    | 0·19                          | —0·28                             | —60                                               |
| Behar . . . . .                            | 0·59                                    | 0·23                          | —0·36                             | —61                                               |
| Western Bengal and Chutia Nagpur . . . . . | 0·41                                    | 0·19                          | —0·22                             | —54                                               |
| Lower Bengal . . . . .                     | 0·40                                    | 0·20                          | —0·20                             | —50                                               |
| Eastern Himalayas . . . . .                | 0·63                                    | 0·17                          | —0·46                             | —73                                               |
| Assam and Eastern Bengal . . . . .         | 0·62                                    | 0·21                          | —0·41                             | —66                                               |
| Orissa and Northern Circars . . . . .      | 0·23                                    | 0·19                          | —0·04                             | —17                                               |
| Central Provinces, South . . . . .         | 0·43                                    | 0·15                          | —0·28                             | —65                                               |
| Berar and Khandesh . . . . .               | 0·31                                    | 0·01                          | —0·30                             | —97                                               |
| Guzerat . . . . .                          | 0·05                                    | ...                           | —0·05                             | —100                                              |
| Sind and Cutch . . . . .                   | 0·24                                    | 0·17                          | —0·07                             | —29                                               |
| North Deccan . . . . .                     | 0·15                                    | ...                           | —0·15                             | —100                                              |
| Konkan and Ghats . . . . .                 | 0·22                                    | ...                           | —0·22                             | —100                                              |
| Malabar and Ghats . . . . .                | 0·34                                    | 0·05                          | —0·29                             | —85                                               |
| Hyderabad . . . . .                        | 0·10                                    | 0·03                          | —0·07                             | —70                                               |
| Ceded Districts and Mysore . . . . .       | 0·20                                    | ...                           | —0·20                             | —100                                              |
| Carnatic . . . . .                         | 0·64                                    | 0·59                          | —0·05                             | —8                                                |
| Neilguries . . . . .                       | 0·79                                    | 0·43                          | —0·36                             | —46                                               |
| Ceylon . . . . .                           | 4·19                                    | 5·70                          | +1·51                             | +36                                               |
| Arakan . . . . .                           | 0·27                                    | ...                           | —0·27                             | —100                                              |
| Pegu . . . . .                             | 0·10                                    | ...                           | —0·10                             | —100                                              |
| Tenasserim . . . . .                       | 0·17                                    | 0·05                          | —0·12                             | —71                                               |
| Bay Islands . . . . .                      | 1·98                                    | 2·64                          | +0·66                             | +33                                               |

*February.*—Was an unusually dry month, and the rainfall was small in amount and almost entirely confined to the hill districts of the Punjab and North-Western Provinces. There were four brief periods of slightly disturbed weather and of rain or snowfall in Northern India; *viz.*, the 1st, the 5th to the 9th, the 15th to the 17th, and the 26th to the 28th. An unusually heavy fall of snow is reported to have fallen on the 15th and 16th in the Afghan hills. 10 to 15 feet are estimated to have fallen on the Safedkoh, 3 feet on the Tirah plains, and from 1½ to 2 feet on the Kurram valley. Snow fell on the 31st January and 1st February in the Khyber and Afridi hills, and again on the 15th to the 17th. This last fall was 3 feet deep on the Lundi Kotal and 2 feet at Ali Musjid. The snowfall in the North-West Himalayas was unusually small in amount at the lower elevations, and the weather during the month was reported to have been fine and mild in Kulu and the Sutlej valley.

A few showers were received in the northern districts of the Punjab on the 1st, and again on the 15th, 16th, and 17th, but the amounts were very small, and the rainfall of the month was nearly as much below the average as that of January was above it, the deficiency averaging for the whole of the Punjab '66 inch.

The month was almost rainless in Rajputana, Central India (with the exception of the 16th on which one or two light showers fell), the plain districts of the North-Western Provinces, Orissa, Chutia Nagpur, South and East Bengal, the Berars, Hyderabad and Bombay.

Light showers were received in Behar on the 17th, in Assam on the 18th, and in North Bengal on the 17th and 18th. The deficiency averaged '4 inch in Behar, '75 inch in Assam, and 1 inch in Bengal. No rain fell in Madras during the month, except in the Negapatam and Tanjore districts, which received heavy local thunder showers on the 7th. Negapatam registered 4'09 inches on that day. In Burma heavy and fairly general rain was received between the 1st and 4th, and the rainfall in the southern districts was from 1 inch (at Diamond Island) to 3 inches (at Henzada) above the average. There was a very general deficiency in Ceylon, averaging '62 inch for the whole island.

The following table summarizes the chief features of the rainfall of the month :—

| DISTRICTS.                                 | Normal average rainfall of month. | Actual average in 1886. | Excess or defect in inches. | Excess or defect expressed as a percentage. |
|--------------------------------------------|-----------------------------------|-------------------------|-----------------------------|---------------------------------------------|
| Western Himalayas . . . . .                | 2'98                              | 2'40                    | —0'58                       | — 19                                        |
| Punjab Plains . . . . .                    | 0'98                              | 0'32                    | —0'66                       | — 67                                        |
| North-Western Provinces and Oudh . . . . . | 0'56                              | 0'05                    | —0'51                       | — 91                                        |
| Rajputana . . . . .                        | 0'14                              | ...                     | —0'14                       | —100                                        |
| Central India States . . . . .             | 0'28                              | 0'09                    | —0'19                       | — 68                                        |
| Behar . . . . .                            | 0'51                              | 0'10                    | —0'41                       | — 80                                        |
| Western Bengal and Chutia Nagpur . . . . . | 0'66                              | 0'06                    | —0'60                       | — 91                                        |
| Lower Bengal . . . . .                     | 0'99                              | 0'06                    | —0'93                       | — 94                                        |
| Eastern Himalayas . . . . .                | 0'77                              | 0'27                    | —0'50                       | — 65                                        |

| DISTRICTS,                            | Normal average<br>rainfall of<br>month. | Actual<br>average in<br>1886. | Excess or<br>defect in<br>inches. | Excess or defect<br>expressed as a<br>percentage. |
|---------------------------------------|-----------------------------------------|-------------------------------|-----------------------------------|---------------------------------------------------|
| Assam and Eastern Bengal . . . . .    | 1'26                                    | 0'48                          | —0'78                             | — 62                                              |
| Orissa and Northern Circars . . . . . | 0'53                                    | 0'01                          | —0'52                             | — 98                                              |
| Central Provinces, South . . . . .    | 0'40                                    | 0'03                          | —0'37                             | — 93                                              |
| Berar and Khandesh . . . . .          | 0'11                                    | ...                           | —0'11                             | —100                                              |
| Guzerat . . . . .                     | 0'13                                    | ...                           | —0'13                             | —100                                              |
| Sind and Cutch . . . . .              | 0'18                                    | 0'01                          | —0'17                             | — 94                                              |
| North Deccan . . . . .                | 0'04                                    | ...                           | —0'04                             | —100                                              |
| Konkan and Ghats . . . . .            | 0'02                                    | ...                           | —0'02                             | —100                                              |
| Malabar and Ghats . . . . .           | 0'22                                    | 0'04                          | —0'18                             | — 82                                              |
| Hyderabad . . . . .                   | 0'07                                    | ...                           | —0'07                             | —100                                              |
| Ceded Districts and Mysore . . . . .  | 0'09                                    | ...                           | —0'09                             | —100                                              |
| Carnatic . . . . .                    | 0'39                                    | 0'15                          | —0'24                             | — 62                                              |
| Neilguries . . . . .                  | 0'31                                    | ...                           | —0'31                             | —100                                              |
| Ceylon . . . . .                      | 2'35                                    | 1'73                          | —0'62                             | — 26                                              |
| Arakan . . . . .                      | 0'64                                    | ...                           | —0'64                             | —100                                              |
| Pegu . . . . .                        | 0'15                                    | 1'46                          | +1'31                             | +873                                              |
| Tenasserim . . . . .                  | 0'64                                    | 1'67                          | +1'03                             | +161                                              |
| Bay Islands . . . . .                 | 1'31                                    | 1'13                          | —0'18                             | — 14                                              |

*March.*—This month was unusually rainy in Northern India. The weather was on the whole more stormy than usual in the mountain districts of the North-West Himalayas and in Afghanistan. At Quetta 4 inches of rain fell and at Kelat 3'19 inches. Heavy snow is reported to have fallen in the earlier part of the month on the Safedkoh and Tirah and Ali Khel Maidan. It was however followed by unusually heavy rain which speedily melted away the snow on all but the highest elevations. The snowfall in Kulu was normal. There were frequent falls in the higher ranges, but on the whole the weather was mild. In Lahaul on the contrary, from the middle to the end of March, the weather was rough with much snow (especially on the 19th, 30th and 31st).

There were three well marked periods of disturbance in Upper India during the month. The first extended from the 6th to the 11th, and gave a heavy and general burst of rainfall over the whole of Northern and Central India. It apparently commenced in Beluchistan and Afghanistan on the 5th, as Kelat received 1'61 inches on that day, and Quetta 1'10 inches. The rainfall of the 6th and 7th was almost entirely confined to the hills and the Punjab; on the 8th and 9th rainfall was general over the Punjab, North-Western Provinces, and on the 9th and 10th in Behar and Bengal.

The following gives the heaviest rainfalls of each day, and partially illustrates the character and distribution of the rainfall :—

| Date.              | Stations.              | Inches. |
|--------------------|------------------------|---------|
| March 7th . . . .  | Simla . . . . .        | 1'10    |
| Ditto . . . . .    | Naini Tal . . . . .    | 1'60    |
| Ditto . . . . .    | Mussooree . . . . .    | 1'22    |
| Ditto . . . . .    | Amritsar . . . . .     | 1'30    |
| Ditto . . . . .    | Gujranwala . . . . .   | 1'20    |
| Ditto . . . . .    | Jhelum . . . . .       | 1'10    |
| Ditto . . . . .    | Guzrat . . . . .       | 1'10    |
| March 8th . . . .  | Guzrat . . . . .       | 2'30    |
| Ditto . . . . .    | Gurdaspur . . . . .    | 2'20    |
| Ditto . . . . .    | Jhelum . . . . .       | 2'00    |
| March 9th . . . .  | Dharmasala . . . . .   | 2'38    |
| Ditto . . . . .    | Budaon . . . . .       | 2'34    |
| Ditto . . . . .    | Almora . . . . .       | 1'67    |
| Ditto . . . . .    | Shahjehanpur . . . . . | 1'60    |
| Ditto . . . . .    | Bijnor . . . . .       | 1'50    |
| Ditto . . . . .    | Murree . . . . .       | 1'50    |
| Ditto . . . . .    | Etah . . . . .         | 2'40    |
| Ditto . . . . .    | Bankoora . . . . .     | 2'06    |
| Ditto . . . . .    | Cuttack . . . . .      | 1'75    |
| Ditto . . . . .    | Ranchee . . . . .      | 1'95    |
| Ditto . . . . .    | Balasore . . . . .     | 2'04    |
| March 10th . . . . | Ranikhet . . . . .     | 1'77    |
| Ditto . . . . .    | Sitapur . . . . .      | 1'68    |
| Ditto . . . . .    | Dudhi . . . . .        | 2'02    |
| Ditto . . . . .    | Cuttack . . . . .      | 1'65    |
| Ditto . . . . .    | Banki . . . . .        | 1'95    |

Showers were also received during this period of slight and irregular disturbance in Central India and the Central Provinces, but the amounts were small as compared with those in Upper India.

The preceding account shews that the area of heavy rainfall was transferred from west to east across Northern India. It accompanied a general disturbance, and the passage of a barometric depression eastwards from the Punjab to Behar, Chutia Nagpur, and Orissa, but the rainfall was not connected with the depression in the same direct manner as in the cyclonic storms of the rains.

The second disturbance of the month in Upper India, on the 17th and 18th, was comparatively feeble, and the rainfall accompanying it was confined to the Punjab. Heavy

rain fell in the most northerly districts on the 18th. At Murree 3·7 inches were registered on that day, at Bannu 2·5 inches and at Peshawar 1·7 inches.

The third period of disturbance and rainfall in Upper India lasted from the 25th to the end of the month, and was like the preceding almost confined to the hills and the northern districts of the Punjab, *viz.*, Peshawar, Kohat, Bannu. Five inches fell at Murree during this period, 3·1 inches at Peshawar and 1·88 inches at Kohat.

Light showers fell in Central India and the Central Provinces from the 20th to the 24th, and in Bengal and Assam from the 21st to the end of the month. The latter showers were due to a hot weather disturbance in North-eastern India, and accompanied a series of thunderstorms. The 28th was the day of most general rainfall, and some heavy showers were received on that day in Lower Bengal. Jessore registered 3·39 inches, Khoolna 2·75 inches and Busseerhat 2·35 inches.

In Burma and Bombay the month was practically rainless. Showers were received on one or two occasions in all districts of Madras, with the exception of the Bellary, Madura, Tinnevely, and Tanjore districts. They were most frequent in Ganjam and the Circars, but the amounts were small.

The following table summarizes the chief features of the rainfall of the month:—

| DISTRICTS.                                 | Normal average<br>rainfall of<br>month. | Actual<br>average in<br>1886. | Excess or<br>defect in<br>inches. | Excess or defect<br>expressed as a<br>percentage. |
|--------------------------------------------|-----------------------------------------|-------------------------------|-----------------------------------|---------------------------------------------------|
| Western Himalayas . . . . .                | 3·13                                    | 5·74                          | +2·61                             | + 83                                              |
| Punjab Plains . . . . .                    | 1·14                                    | 2·82                          | +1·68                             | +147                                              |
| North-Western Provinces and Oudh . . . . . | 0·49                                    | 1·27                          | +0·78                             | +159                                              |
| Rajputana . . . . .                        | 0·09                                    | 0·19                          | +0·10                             | +111                                              |
| Central India States . . . . .             | 0·24                                    | 0·53                          | +0·29                             | +121                                              |
| Behar . . . . .                            | 0·37                                    | 0·54                          | +0·17                             | + 46                                              |
| Western Bengal and Chutia Nagpur . . . . . | 0·91                                    | 1·43                          | +0·52                             | + 57                                              |
| Lower Bengal . . . . .                     | 1·46                                    | 2·49                          | +1·03                             | + 71                                              |
| Eastern Himalyas . . . . .                 | 2·01                                    | 2·13                          | +0·12                             | + 6                                               |
| Assam and Eastern Bengal . . . . .         | 3·65                                    | 3·56                          | —0·09                             | — 2                                               |
| Orissa and Northern Circars . . . . .      | 0·84                                    | 2·20                          | +1·36                             | +162                                              |
| Central Provinces, South . . . . .         | 0·58                                    | 0·63                          | +0·05                             | + 9                                               |
| Berar and Khandesh . . . . .               | 0·23                                    | ...                           | —0·23                             | —100                                              |
| Guzerat . . . . .                          | 0·03                                    | 0·01                          | —0·02                             | — 67                                              |
| Sind and Cutch . . . . .                   | 0·21                                    | 0·36                          | +0·15                             | + 71                                              |
| North Deccan . . . . .                     | 0·24                                    | ...                           | —0·24                             | —100                                              |
| Konkan and Ghats . . . . .                 | 0·07                                    | ...                           | —0·07                             | —100                                              |
| Malabar and Ghats . . . . .                | 0·78                                    | 0·02                          | —0·76                             | — 97                                              |
| Hyderabad . . . . .                        | ·38                                     | 0·36                          | —0·02                             | — 5                                               |
| Ceded Districts and Mysore . . . . .       | 0·44                                    | 0·18                          | —0·26                             | — 59                                              |
| Carnatic . . . . .                         | 0·48                                    | 0·59                          | +0·11                             | + 23                                              |
| Neilguries . . . . .                       | 2·01                                    | 0·99                          | —1·02                             | — 51                                              |
| Ceylon . . . . .                           | 3·35                                    | 1·67                          | —1·68                             | — 50                                              |
| Arakan . . . . .                           | 1·48                                    | 3·93                          | +2·45                             | +166                                              |
| Pegu . . . . .                             | 0·03                                    | 0·02                          | —0·01                             | — 33                                              |
| Tenasserim . . . . .                       | 0·85                                    | 0·92                          | +0·07                             | + 8                                               |
| Bay Islands . . . . .                      | 1·19                                    | 0·27                          | —0·92                             | — 77                                              |

*April.*—This was a very dry month over nearly the whole of India. In Kulu the

weather in the valley was very mild, although there were several snowstorms in the higher ranges. There was a great snowstorm on the Rotang. In Lahoul the weather was very rough, cold and wet. Snow fell on ten days, from the 9th to 12th, on the 16th, and from the 20th to the 24th. In the Afghan hills the weather appears to have been fine and dry.

Frequent light showers fell at the hill stations of Upper India. The month was practically rainless in the Punjab plains, the North-Western Provinces, Central Provinces, Central India, and Rajputana. The average rainfall in that area varied from nil in Central Rajputana to 2 inches in the Sialkot, Rawalpindi, Guzerat, Kohat and Peshawar districts.

The month was as dry over the greater part of Bengal as in Upper India. A few showers were received in the eastern and northern districts, more especially between the 7th and 12th, and the 23rd to the 30th, but the amounts recorded only exceeded an inch at a few stations, chiefly in East Bengal.

The rainfall in Bengal during the month of April is mainly due to thunderstorms or norwesters, which are occasionally very severe and give heavy rain. The average rainfall of the month varies from a tenth of an inch in South and Central Behar to 6 inches in parts of East Bengal (at Dacca, Mymensing and Commillah).

The following table gives the deficiency in Bengal:—

|               |                        | Normal average.<br>April. | Average.<br>April 1886. | Variation. |
|---------------|------------------------|---------------------------|-------------------------|------------|
|               |                        | Inches.                   | Inches.                 | Inches.    |
| Orissa        | . . . . .              | 1'54                      | 0'07                    | —1'47      |
| Bengal        | { East . . . . .       | 3'92                      | 3'14                    | —0'78      |
|               | { North . . . . .      | 2'59                      | 1'16                    | —1'43      |
|               | { South-west . . . . . | 2'15                      | 0'65                    | —1'50      |
| Behar         | { North . . . . .      | 0'74                      | 0'25                    | —0'49      |
|               | { South . . . . .      | 0'42                      | 0'11                    | —0'31      |
| Chutia Nagpur | . . . . .              | 0'47                      | 0'12                    | —0'35      |

In Assam rain fell almost daily throughout the month. The largest amounts were received between the 11th and 14th and the 21st and the 25th. The total rainfall was slightly below the normal excepting in Cachar and the Garo and Khasia Hill districts. At Cherra Poonjee the rainfall of the month was 11'55 inches in excess, and at Sylhet 3'58 inches. The rainfall was practically normal in Cachar.

Over the greater part of the Bombay and Madras Presidencies no rain fell during the month. In the Deccan and Hyderabad local showers were received during the last week of the month. Also in the extreme south of India (or in the Madura and Tinnevely districts) and in Mysore and Coorg light occasional local showers were experienced; but over the whole of Southern India (with one or two local exceptions, of which Bijapur and Poona were the chief) the rainfall of the month was in defect and very small in amount.

In Burma no rain fell except in the southerly districts bordering on the Gulf of Martaban. The deficiency in that province varied from '25 inch at Thayetmyo to 3 inches at Moulmein and in Tenasserim (at Tavoy and Mergui).



Similar conditions prevailed in Ceylon as in India, and the rainfall of the month in that island was, although larger than in any part of India (Galle receiving 9·47 inches and Ratnapura 10·83 inches), in defect to a moderate extent at nearly all stations.

The following table summarizes the chief features of the rainfall of the month:—

| Districts.                                 | Normal average rainfall of month. | Actual average in 1886. | Excess or defect in inches. | Excess or defect expressed as a percentage. |
|--------------------------------------------|-----------------------------------|-------------------------|-----------------------------|---------------------------------------------|
| Western Himalayas . . . . .                | 2·34                              | 1·16                    | —1·18                       | —50                                         |
| Punjab Plains . . . . .                    | 0·78                              | 0·25                    | —0·53                       | —68                                         |
| North-Western Provinces and Oudh . . . . . | 0·21                              | ...                     | —0·21                       | —100                                        |
| Rajputana . . . . .                        | 0·05                              | 0·02                    | —0·03                       | —60                                         |
| Central India States . . . . .             | 0·11                              | 0·03                    | —0·08                       | —73                                         |
| Behar . . . . .                            | 0·36                              | 0·14                    | —0·22                       | —61                                         |
| Western Bengal and Chutia Nagpur . . . . . | 0·51                              | 0·15                    | —0·36                       | —71                                         |
| Lower Bengal . . . . .                     | 2·63                              | 1·12                    | —1·51                       | —57                                         |
| Eastern Himalayas . . . . .                | 4·63                              | 2·43                    | —2·20                       | —48                                         |
| Assam and Eastern Bengal . . . . .         | 7·96                              | 8·48                    | +0·52                       | +7                                          |
| Orissa and Northern Circars . . . . .      | 1·16                              | 0·14                    | —1·02                       | —88                                         |
| Central Provinces, South . . . . .         | 20·4                              | 0·02                    | —0·40                       | —95                                         |
| Berar and Khandesh . . . . .               | 0·19                              | 0·03                    | —0·16                       | —84                                         |
| Guzerat . . . . .                          | 0·03                              | ...                     | —0·03                       | —100                                        |
| Sind and Cutch . . . . .                   | 0·20                              | ...                     | —0·20                       | —100                                        |
| North Deccan . . . . .                     | 0·98                              | 0·63                    | —0·35                       | —36                                         |
| Konkan and Ghats . . . . .                 | 0·20                              | 0·03                    | —0·17                       | —85                                         |
| Malabar and Ghats . . . . .                | 2·60                              | 1·90                    | —0·70                       | —27                                         |
| Hyderabad . . . . .                        | 0·51                              | 0·13                    | —0·38                       | —75                                         |
| Ceded Districts and Mysore . . . . .       | 0·96                              | 0·23                    | —0·73                       | —76                                         |
| Carnatic . . . . .                         | 0·98                              | 0·30                    | —0·68                       | —69                                         |
| Neilguries . . . . .                       | 2·87                              | 1·25                    | —1·62                       | —56                                         |
| Ceylon . . . . .                           | 5·30                              | 4·52                    | —0·78                       | —15                                         |
| Arakan . . . . .                           | 2·91                              | 1·24                    | —1·67                       | —57                                         |
| Pegu . . . . .                             | 1·15                              | 0·09                    | —1·06                       | —92                                         |
| Tenasserim . . . . .                       | 3·71                              | 0·86                    | —2·85                       | —77                                         |
| Bay Islands . . . . .                      | 3·68                              | 1·77                    | —1·91                       | —52                                         |

*May.*—This was a wetter month than usual over the whole of India almost without exception. Frequent thunderstorms occurred in Northern and Central India, and gave occasional rain of a more or less local character. In Bengal especially, some of the norwesters were very severe, and attended in one case at least with an exceptionally heavy burst of rain. The south-west monsoon in Southern India commenced during the third week of this month, and a small storm which passed from the Bay across the South Coromandel Coast, gave very heavy rainfall to all districts south of latitude 16° N.

Frequent showers occurred in the hills in Upper India. Thunder-showers, locally heavy, gave moderate and very irregularly distributed rain to the plain districts. These disturbances occurred chiefly during three periods—the 5th, 6th and 7th, the 15th and 16th, and the 28th, 29th, and 30th. Gurdaspur received 2·6 inches, and Hoshiarpur 1·75 inches during a storm on the 15th. On the same day the hill station of Kilba received 5 inches and that of Dharmsala 2 inches. The total rainfall of the month was generally in excess in the hills, and more northern districts, and locally at Hoshiarpur, Gurdaspur, Kurnal and Umballa, and in defect elsewhere.

In Rajputana and Central India the rainfall of the month is usually very scanty. A few local showers occurred, chiefly on the 15th and 16th and also on the 26th, 29th, 30th and 31st, but the rainfall was below the average generally.

The weather was more disturbed than usual in the North-Western Provinces, and showers were received in the plains during four disturbances, three of which commenced in the Punjab, and extended within 24 hours to the North-Western Provinces. The fourth was apparently transmitted from Bengal and Behar and was very feeble. The four periods of disturbance were the 6th and 7th, the 11th and 12th, the 16th and 17th, and the 29th, 30th and 31st. The most general of these was the third, which gave rain to the whole of the North-Western Provinces. Amongst the largest rainfalls were Mussooree, 2·38 inches, and Gorakhpur, 2·11 inches on the 16th.

In Bengal, the month was one of almost continuous slight disturbance, and of very frequent thunderstorms and norwesters. Thus the average number of rainy days in Bengal was 12·5, as compared with the normal 11·0, and in Behar 6·2 as compared with 4·3.

The most remarkable storm of the month occurred on the 12th in the Burdwan, Hooghly and Jessore districts and the 24-Pergunnahs. The following table gives the rainfalls during the storm at the reporting stations in these districts:

|                    | Inches. |
|--------------------|---------|
| Howrah . . . . .   | 4·80    |
| Alipore . . . . .  | 4·53    |
| Calcutta . . . . . | 4·52    |
| Burdwan . . . . .  | 4·20    |
| Khulna . . . . .   | 3·98    |
| Jessore . . . . .  | 3·91    |
| Tumlook . . . . .  | 3·50    |

The following gives the average rainfall of the month in each of the seven meteorological divisions of Bengal, and its variation from the normal:—

| DIVISIONS.                  | Average.<br>May<br>1886. | Normal<br>average.<br>May | Variation. |
|-----------------------------|--------------------------|---------------------------|------------|
| Orissa . . . . .            | 4·66                     | 3·59                      | + 1·07     |
| South-West Bengal . . . . . | 7·83                     | 5·11                      | + 2·72     |
| East Bengal . . . . .       | 10·30                    | 9·45                      | + 0·85     |
| North Bengal . . . . .      | 9·64                     | 8·30                      | + 1·34     |
| North Behar . . . . .       | 4·46                     | 2·74                      | + 1·72     |
| South Behar . . . . .       | 2·80                     | 1·93                      | + 0·82     |
| Chutia Nagpur . . . . .     | 2·97                     | 2·41                      | + 0·56     |

Frequent showers were received in Assam during the month, the chief periods of general rain being from the 1st to the 5th, from the 8th to the 13th, and from the 23rd to the 31st. The first of these periods gave the largest amounts and heaviest falls during the month. On the 2nd, 9·58 inches fell at Cherra Poonjee, and 3·78 inches at Sylhet. The total rainfall of the month was however in defect to a moderate extent. The deficiency at Cherra Poonjee was 16·89 inches, at Debrugarh 8·08 inches, at Dhubri 6·51 inches and at Tezpur 5·66 inches. The average deficiency in the province was 3·83 inches or 25 per cent. of the normal rainfall of the month.

In the Central Provinces and Berars showers were received between the 1st and 4th, the 14th and 17th, and the 26th and 31st, which gave an average for the month of 1·04 inches, or '21 inch above the normal fall. There was an excess in some parts of the eastern districts, including Sambalpur and Raipur, but in all other parts of the province the rainfall was slightly in defect.

In Hyderabad showers were received during the same three periods of slight disturbance which gave rainfall to the Central Provinces. Some heavy falls were recorded on the 31st, amongst which were 4·73 inches at Lingsugur, 3·6 inches at Purbany and 3·5 inches at Raichore. The rainfall of the month was hence in excess at nearly all stations, the average rainfall, 2·08 inches, exceeding the normal by 1·04 inches.

In Bombay a few showers were received during the first week of the month, chiefly in the Deccan districts. Frequent showers fell after the 15th, more especially in the Deccan and Malabar Coast districts. The month was dry throughout in Sind. Over the greater part of the Bombay Presidency the rainfall of the month was in excess, but generally by small amounts, more especially in the Konkan. The only rainfall stations at which the excess was above 3 inches were Goa (+7·83 inches), Matheran (+5·01 inches) and Mahableshwar (+3·54 inches). The normal rainfall of the month in Sind is barely two-tenths of an inch.

Frequent showers occurred throughout the Madras Presidency during the month, in the northern as well in the southern districts. But the chief feature in the rainfall of the month was an unusually heavy burst which marked the commencement of the south-west monsoon current in the more southern districts of the Peninsula, and accompanied the passage of a depression across the South Coromandel Coast into Mysore. The following table gives the more noteworthy rainfalls:—

|                          | 23rd May. | 24th May. | 25th May. | Total. |
|--------------------------|-----------|-----------|-----------|--------|
| Negapatam . . . . .      | 5·23      | 0·12      | 2·32      | 7·57   |
| Kumbakonum . . . . .     | 5·00      | 0·95      | ...       | 5·95   |
| Shevaroy Hills . . . . . | 0·10      | 5·00      | 1·40      | 6·50   |
| Trichinopoly . . . . .   | ...       | 7·28      | ...       | 7·28   |
| Tanjore . . . . .        | 0·50      | 4·25      | 1·00      | 5·75   |
| Cuddalore . . . . .      | 4·48      | 1·50      | 0·20      | 6·18   |
| Madras . . . . .         | 1·79      | 1·14      | 0·15      | 3·08   |
| Vellore . . . . .        | 4·05      | 0·45      | 2·00      | 6·50   |
| Calicut . . . . .        | 2·00      | 4·75      | 2·20      | 8·95   |
| Tellichery . . . . .     | 3·60      | 6·10      | 2·00      | 11·70  |
| Cannanore . . . . .      | 0·20      | 1·40      | 9·40      | 11·00  |

The total rainfall was considerably in excess over the whole of Madras with the exception of the Kurnool and Bellary districts where there was a very slight deficiency. The excess was very considerable in the more southern districts (including Tinnevely and Travancore), in which it varied from 3 to 8 inches. At Trichinopoly it was 8·45 inches, Cannanore 8·11 inches, Tellichery 7·57 inches, Tanjore 7·71 inches, Vellore 6·54 inches, and Kumbakonam 6·03 inches. The excess was proportionally greatest in the Trichinopoly, Tanjore, and Negapatam districts, in which the normal average rainfall of the month varies from 2 to 4 inches. These districts hence received from two to five times their normal amount.

The rainfall of the month was in excess in Ceylon from the same cause as in Southern India. The excess was greatest on the south and west coasts. It was 9·04 inches at Colombo, 8·42 inches at Galle. There was a moderate excess on the northern coast at Trincomalee, where it was 1·49 inches, and at Puttalam, 0·36 inch.

Frequent showers fell in Burma from the 1st to the 26th, when the first burst of the south-west monsoon passed across the coast into the province, and general rain fell in every part of the province from the 26th to the end of the month. The burst was however comparatively feeble, and the only rainfalls exceeding 2·5 inches were 4·81 inches at Akyab on the 31st and 2·66 inches at Henzada on the 27th. The rainfall of the month was hence below the average to a moderate extent.

The following table summarizes the chief features of the rainfall of the month :—

| DISTRICTS.                                 | Normal average rainfall of month. | Actual average in 1886. | Excess or defect in inches. | Excess or defect expressed as a percentage. |
|--------------------------------------------|-----------------------------------|-------------------------|-----------------------------|---------------------------------------------|
| Western Himalayas . . . . .                | 2·96                              | 4·28                    | +1·32                       | +45                                         |
| Punjab Plains . . . . .                    | 0·81                              | 1·01                    | +0·20                       | +25                                         |
| North-Western Provinces and Oudh . . . . . | 0·80                              | 1·43                    | +0·63                       | +79                                         |
| Rajputana . . . . .                        | 0·60                              | 0·71                    | +0·11                       | +18                                         |
| Central India States . . . . .             | 0·46                              | 0·83                    | +0·37                       | +80                                         |
| Behar . . . . .                            | 1·67                              | 2·24                    | +0·57                       | +34                                         |
| Western Bengal and Chutia Nagpur . . . . . | 1·98                              | 3·21                    | +1·23                       | +62                                         |
| Lower Bengal . . . . .                     | 6·38                              | 8·03                    | +1·65                       | +26                                         |
| Eastern Himalayas . . . . .                | 11·18                             | 9·62                    | -1·56                       | -14                                         |
| Assam and Eastern Bengal . . . . .         | 14·29                             | 11·32                   | -2·97                       | -21                                         |
| Orissa and Northern Circars . . . . .      | 2·70                              | 3·68                    | +0·98                       | +36                                         |
| Central Provinces, South . . . . .         | 1·03                              | 1·28                    | +0·25                       | +24                                         |
| Berar and Khandesh . . . . .               | 0·59                              | 1·07                    | +0·48                       | +81                                         |
| Guzerat . . . . .                          | 0·35                              | 0·63                    | +0·28                       | +80                                         |
| Sind and Cutch . . . . .                   | 0·13                              | 0·08                    | -0·05                       | -39                                         |
| North Deccan . . . . .                     | 1·85                              | 3·07                    | +1·22                       | +66                                         |
| Konkan and Ghats . . . . .                 | 1·41                              | 2·87                    | +1·46                       | +104                                        |
| Malabar and Ghats . . . . .                | 7·74                              | 12·77                   | +5·03                       | +65                                         |
| Hyderabad . . . . .                        | 1·04                              | 2·08                    | +1·04                       | +100                                        |
| Ceded Districts and Mysore . . . . .       | 3·31                              | 4·09                    | +0·78                       | +24                                         |
| Carnatic . . . . .                         | 2·50                              | 5·51                    | +3·01                       | +120                                        |
| Neilguries . . . . .                       | 4·01                              | 6·55                    | +2·54                       | +63                                         |
| Ceylon . . . . .                           | 6·63                              | 10·13                   | +3·50                       | +53                                         |
| Arakan . . . . .                           | 11·12                             | 8·94                    | -2·18                       | -20                                         |
| Pegu . . . . .                             | 7·20                              | 6·45                    | -0·75                       | -10                                         |
| Tenasserim . . . . .                       | 15·82                             | 16·04                   | +0·22                       | +1                                          |
| Bay Islands . . . . .                      | 14·21                             | 16·82                   | +2·61                       | +18                                         |

*June.*—The month of June witnessed the complete establishment of both branches of the monsoon current over the whole of India. During the first week of the month, a heavy burst of rainfall advanced along the west coast of India as far north as Bombay. For some days afterwards rain fell in moderate amounts in the west coast districts, and extended eastwards into the western districts of the Central Provinces. On the 12th and 13th a cyclonic storm began to form at the head of the Bay due to a strong uprush of south-west humid winds in that area, and at the same time a fresh advance of winds took place along the west coast. The latter gave very heavy rain in the Bombay coast districts from the 14th to the 20th, after which the current expended itself chiefly in giving moderate rain to the Central Provinces and Central India. The storm which formed at the head of the Bay crossed the coast to the west of Saugor Island on the 16th, and drifted to the west-north-west into Upper India, giving the first burst of heavy monsoon rainfall to West Bengal, Chutia Nagpur, Behar, the North-West Provinces and the Punjab. During the remainder of the month the weather was of the ordinary monsoon type, frequent showers occurring in Western, Central, and Northern India.

The following table gives the rainfall at the more important stations on the west coast of India from the 13th to the 19th June, and illustrates the manner in which the rainfall advanced along that coast at the commencement of the south-west monsoon of 1886:—

|                   | 13th. | 14th. | 15th. | 16th. | 17th. | 18th. | 19th. |
|-------------------|-------|-------|-------|-------|-------|-------|-------|
| Cochin . . . .    | 0·81  | 1·42  | 2·98  | 1·74  | 0·17  | 0·02  | 0·20  |
| Calicut . . . .   | 1·05  | 2·10  | 3·05  | 2·65  | 0·25  | 0·50  | 1·80  |
| Cannanore . . . . | 0·40  | 0·40  | 3·25  | 4·50  | 0·15  | 0·05  | 1·65  |
| Mangalore . . . . | 2·05  | 3·95  | 2·58  | 0·12  | 0·28  | ...   | 0·15  |
| Honawar . . . .   | ...   | 0·52  | 4·95  | 0·52  | 11·30 | 1·55  | 1·47  |
| Karwar . . . .    | 0·22  | 1·17  | 4·88  | 5·49  | 9·90  | 0·25  | 0·20  |
| Vingurla . . . .  | 0·18  | 1·80  | 1·30  | 6·20  | 1·80  | 0·87  | 0·35  |
| Bombay . . . .    | ...   | 0·03  | ...   | 0·36  | 6·08  | 16·10 | 6·46  |
| Surat . . . .     | ...   | ...   | ...   | 0·50  | 0·43  | 2·48  | 0·15  |

The following gives the more striking rainfalls that accompanied the passage of the cyclonic storm from Bengal to the Punjab:—

*June 16th.*—The storm centre crossed the coast near Saugor Island at 10 A.M.

|                              |              |
|------------------------------|--------------|
| Calcutta recorded . . . . .  | 4·43 inches. |
| Howrah     "     . . . . .   | 4·25     "   |
| Balasore     "     . . . . . | 4·80     "   |

*June 17th.*—The storm centre was in Chutia Nagpur—

|                               |              |                                |              |
|-------------------------------|--------------|--------------------------------|--------------|
| Hazaribagh recorded . . . . . | 3·32 inches. | Lohardagga recorded . . . . .  | 3·33 inches. |
| Ranchee     "     . . . . .   | 3·33     "   | Gobindpore     "     . . . . . | 3·04     "   |

*June 18th.*—The storm centre was to the south-west of Benares—

|                             |              |                          |              |
|-----------------------------|--------------|--------------------------|--------------|
| Fatehpur recorded . . . . . | 4'00 inches. | Dudhi recorded . . . . . | 5'42 inches. |
| Allahabad „ . . . . .       | 2'50 „       | Ghazipur „ . . . . .     | 2'70 „       |

Much heavier falls due to the Bengal humid current were reported at this time in some parts of Bengal and Orissa, as for example :—

|                     |              |
|---------------------|--------------|
| Jellasure . . . . . | 6'60 inches. |
| Bhuddruck . . . . . | 3'87 „       |

*June 19th.*—The centre was between Jhansi and Nowgong—

|                                |              |                            |              |
|--------------------------------|--------------|----------------------------|--------------|
| Bulandshahr recorded . . . . . | 4'30 inches. | Lucknow recorded . . . . . | 9'02 inches. |
| Shahjehanpur „ . . . . .       | 3'48 „       | Rae Bareilly „ . . . . .   | 5'18 „       |
| Muttra „ . . . . .             | 4'42 „       | Unao „ . . . . .           | 4'00 „       |
| Etah „ . . . . .               | 4'00 „       |                            |              |

*June 20th.*—The storm centre was to the south of Delhi at 10 A.M.—

|                               |              |                                |              |
|-------------------------------|--------------|--------------------------------|--------------|
| Ferozapore recorded . . . . . | 3'50 inches. | Bulandshahr recorded . . . . . | 2'20 inches. |
| Delhi „ . . . . .             | 2'25 „       | Bareilly „ . . . . .           | 2'81 „       |
| Aligarh „ . . . . .           | 3'40 „       | Agra „ . . . . .               | 2'60 „       |

*June 21st.*—The storm centre was near Lahore at 10 A.M.—

|                          |              |                               |              |
|--------------------------|--------------|-------------------------------|--------------|
| Delhi recorded . . . . . | 6'29 inches. | Gujranwala recorded . . . . . | 6'50 inches. |
| Amritsar „ . . . . .     | 4'90 „       | Karnal „ . . . . .            | 3'40 „       |
| Sialkot „ . . . . .      | 6'41 „       |                               |              |

*On the 22nd*—The storm was breaking up in the north of Punjab—

|                           |              |
|---------------------------|--------------|
| Jhelum recorded . . . . . | 4'00 inches. |
| Sialkot „ . . . . .       | 5'30 „       |

The most remarkable feature about the storm is that, although it gave very heavy rain in the plains from Bengal to the northern extremities of the Punjab, hardly any rain fell at the hill stations. Murree registered 0'3 inch between the 19th and 23rd, Simla 1'8 inches, Chakrata 1'7 inches, and Ranikhet 2'2 inches.

In the Punjab the month of June was almost rainless until the 20th of June, but from that day to the 23rd it received a heavy burst of rainfall due to the storm already described. The eastern districts, and more especially Sialkot, Gujranwala, Amritsar, Delhi and Gurgaon districts, obtained the largest amounts. A few showers fell during the remainder of the month. The total rainfall of the month was very considerably in excess in the eastern and south-eastern districts. Sialkot received 12'88 inches or 9'69 inches above the normal, Delhi 9'7 inches, or 7'05 inches above the normal, Gurgaon 9'8 inches, or 6'93 inches above the normal, Gujranwala 8'3 inches, or 6'42 inches in excess, and Amritsar 8'4 inches, or 6'01 in excess. There was a slight deficiency in the north-west and west districts and in the hills.

In Rajputana there were frequent showers from the 1st to the 7th, and fairly general rain fell from the 16th to the 26th. The rainfall of the month was hence considerably in excess, except in the area represented by Ajmere and Jeypore. The excess at Erinpura amounted to 7'66 inches, at Kotah to 4'21 inches, and at Jodhpore to 3'7 inches.

In the North-Western Provinces no rain of importance fell until the 18th. Heavy and general rain was recorded from the 18th to the 20th during the passage of the storm centre through the southern districts. Frequent showers occurred during the remainder of the month, the 24th, 25th, and 29th being days of very general rainfall. The rainfall was below the average at the hill stations, but was very considerably above the

average over all the plains districts. The following give some of the more remarkable variations :—

| STATIONS.              | Total<br>of month. | Excess. |
|------------------------|--------------------|---------|
| Farrukhabad . . . . .  | 10'95              | + 7'23  |
| Jaunpur . . . . .      | 11'98              | + 7'03  |
| Lucknow . . . . .      | 13'69              | + 8'72  |
| Hardoi . . . . .       | 11'00              | + 6'84  |
| Rae Bareli . . . . .   | 11'91              | + 7'47  |
| Shahjehanpur . . . . . | 11'10              | + 5'58  |
| Fatehpur . . . . .     | 8'70               | + 5'10  |
| Benares . . . . .      | 10'33              | + 5'37  |
| Ballia . . . . .       | 10'95              | + 5'63  |

The districts represented by these stations received from two to three times the normal rainfall of the month.

In Bengal there were frequent showers during the first week of the month. They were generally very light except in the south-eastern districts of East Bengal, in which some excessive rainfalls were recorded. At Chittagong 14'01 inches fell on the 3rd, due to a very small whirl which passed over it from the Bay, 5'48 inches on the 7th, and 3'93 inches on the 8th. Rain commenced to fall in connection with the large cyclonic storm of the month on the 14th in Orissa and South Bengal, and extended over the whole province of Bengal on the 15th and 16th. There was a short break on the 20th, 21st and 22nd, but with that exception rain fell on every day in moderately large amounts throughout the province. The distribution of the rainfall was very unequal. There was a very large deficiency in the northern districts of Bengal, and a moderate deficiency in North Behar. The rainfall was normal or slightly in excess in South Behar, and the greater part of Orissa. There was a large excess in the south-eastern districts of South-East Bengal, including Chittagong and Noakhally, and almost as large a defect in the northern districts of Mymensingh and Comillah. The following data illustrate the distribution of the rainfall in Bengal :—

| DIVISIONS.                  | Average<br>rainfall.<br>April 1886. | Normal<br>average.<br>April. | Variation. |
|-----------------------------|-------------------------------------|------------------------------|------------|
| Orissa . . . . .            | 12'10                               | 8'87                         | + 3'23     |
| South-West Bengal . . . . . | 8'94                                | 10'30                        | — 1'36     |
| East Bengal . . . . .       | 17'18                               | 18'47                        | — 1'29     |
| North Bengal . . . . .      | 12'24                               | 17'65                        | — 5'41     |
| North Behar . . . . .       | 6'78                                | 8'67                         | — 1'89     |
| South Behar . . . . .       | 7'71                                | 6'85                         | + 0'86     |
| Chutia Nagpur . . . . .     | 6'58                                | 8'47                         | — 1'89     |

Assam received almost daily rain, but the amounts were not quite so large as usual, and there was a considerable deficiency at many stations. The rainfall was 16·1 inches below the normal at Cherra Poonjee, which only received one very heavy burst of rainfall (from the 21st to the 27th), during which 61 inches was registered.

In the Central Provinces, there was frequent showers from the 1st to the 5th when the first rush of south monsoon winds occurred across the Bombay coast. This was followed by a lull, and an almost entire suspension of rainfall until the 14th, when the second burst of strong winds on the Bombay coast was immediately followed by general rainfall which continued in moderate amounts, but almost without intermission until the end of the month. The total rainfall of the month was from one to six inches below the average except in the Chanda and Sironcha districts. At Chanda it was 8·37 inches above the average, and at Sironcha 6·34 inches.

The rainfall in Hyderabad was obtained entirely from the Bombay current, and the conditions were similar to those in the Central Provinces. Moderate rain was received from the 1st to the 7th. This was followed by a short break until the 13th, when general rain commenced and fell at frequent intervals during the remainder of the month. The rainfall of the month was in excess by amounts varying from half an inch to eight inches.

The rainfall of the month was abundant in every part of the Bombay Presidency except in Sind. The first strong rush of winds occurred during the first week of the month. This was followed by a slight lull during which frequent light to moderate showers occurred. On the 13th and 14th another strong advance of monsoon winds commenced on the coast and continued throughout the remainder of the month. Amongst the heaviest rainfalls recorded during this period were—

|                        |                       |
|------------------------|-----------------------|
| Baura . . . . .        | 15·47 inches on 17th. |
| Honawar . . . . .      | 11·30 „ 17th.         |
| Mahableshwar . . . . . | 13·00 „ 18th.         |
| Bombay . . . . .       | 16·10 „ 18th.         |
| Matheran . . . . .     | 9·87 „ 18th.          |

The rainfall was greatly in excess at many stations, of which the following are the more remarkable examples:—

|                           | Excess.       |
|---------------------------|---------------|
| Bombay (Colaba) . . . . . | 22·66 inches. |
| Tanna . . . . .           | 14·36 „       |
| Karwar . . . . .          | 13·94 „       |
| Baura . . . . .           | 20·02 „       |

Little or no rain fell in Sind.

In the Madras Presidency rain fell on every day on the Malabar coast, but the total rainfall of the month was very considerably below the average. For example—

| STATIONS.           | Total rainfall,<br>June 1886. | Normal<br>average. | Deficiency. |
|---------------------|-------------------------------|--------------------|-------------|
|                     | Inches.                       | Inches.            | Inches.     |
| Mangalore . . . . . | 23·97                         | 37·83              | 13·86       |
| Cannanore . . . . . | 26·42                         | 38·98              | 12·56       |
| Calicut . . . . .   | 25·65                         | 34·95              | 9·30        |



In the eastern and southern districts there were frequent showers until the 9th or 10th. During the remainder of the month a few unimportant showers were received in the southern districts. Rain fell in larger amounts during this period in the Circars and Ganjam. The total rainfall of the month was generally above the average by moderate amounts, except in the Madura, Trichinopoly and Coimbatore districts, where it was slightly in defect. The excess was greatest in the Coromandel coast districts. It was 6·8 inches at Chingleput, 5·58 inches at Madras, and 5·31 inches at Arcot.

Frequent showers fell in Mysore and Coorg, but they were much lighter than usual, and the rainfall of the month was considerably in defect. In Ceylon it was slightly below the normal.

Burmah and Tenasserim received fairly general rain daily throughout the month. It was very irregularly distributed, but was generally in excess. The total rainfall of the month was 10·8 inches above the average at Tavoy and 7·58 inches at Henzada. On the other hand there was a very large deficiency of 23·99 inches at Akyab.

The following table summarizes the chief features of the rainfall of the month :—

| DISTRICTS.                                 | Normal average rainfall of month. | Actual average in 1886. | Excess or defect in inches. | Excess or defect expressed as a percentage. |
|--------------------------------------------|-----------------------------------|-------------------------|-----------------------------|---------------------------------------------|
| Western Himalayas . . . . .                | 5·93                              | 3·82                    | —2·11                       | —36                                         |
| Punjab Plains . . . . .                    | 2·05                              | 3·99                    | +1·94                       | +94                                         |
| North-Western Provinces and Oudh . . . . . | 4·76                              | 7·43                    | +2·67                       | +56                                         |
| Rajputana . . . . .                        | 2·69                              | 3·73                    | +1·04                       | +39                                         |
| Central India States . . . . .             | 6·39                              | 6·66                    | +0·27                       | +4                                          |
| Behar . . . . .                            | 6·47                              | 5·95                    | —0·52                       | —8                                          |
| Western Bengal and Chutia Nagpur . . . . . | 8·53                              | 8·88                    | +0·35                       | +4                                          |
| Lower Bengal . . . . .                     | 12·62                             | 10·00                   | —2·62                       | —20                                         |
| Eastern Himalayas . . . . .                | 29·06                             | 22·74                   | —6·32                       | —22                                         |
| Assam and Eastern Bengal . . . . .         | 23·60                             | 20·92                   | —2·68                       | —11                                         |
| Orissa and Northern Circars . . . . .      | 7·79                              | 8·37                    | +0·58                       | +7                                          |
| Central Provinces, South . . . . .         | 9·03                              | 8·12                    | —0·91                       | —10                                         |
| Berar and Khandesh . . . . .               | 7·16                              | 12·08                   | +4·92                       | +69                                         |
| Guzerat . . . . .                          | 4·41                              | 7·36                    | +2·95                       | +67                                         |
| Sind and Cutch . . . . .                   | 0·75                              | 0·92                    | +0·17                       | +23                                         |
| North Deccan . . . . .                     | 5·06                              | 5·58                    | +0·52                       | +10                                         |
| Konkan and Ghats . . . . .                 | 32·64                             | 41·44                   | +8·80                       | +27                                         |
| Malabar and Ghats . . . . .                | 30·98                             | 21·99                   | —8·99                       | —29                                         |
| Hyderabad . . . . .                        | 5·14                              | 7·22                    | +2·08                       | +40                                         |
| Ceded Districts and Mysore . . . . .       | 3·05                              | 4·66                    | +1·61                       | +53                                         |
| Carnatic . . . . .                         | 1·80                              | 3·13                    | +1·33                       | +74                                         |
| Neilguries . . . . .                       | 3·57                              | 3·13                    | —0·44                       | —12                                         |

| DISTRICTS.            | Normal average rainfall of month. | Actual average in 1886. | Excess or defect inches. | Excess or defect expressed as a percentage. |
|-----------------------|-----------------------------------|-------------------------|--------------------------|---------------------------------------------|
| Ceylon . . . . .      | 5'86                              | 5'57                    | —0'29                    | —5                                          |
| Arakan . . . . .      | 34'98                             | 34'57                   | —0'41                    | —1                                          |
| Pegu . . . . .        | 14'71                             | 17'24                   | +2'53                    | +17                                         |
| Tenasserim . . . . .  | 34'55                             | 35'28                   | +0'73                    | +2                                          |
| Bay Islands . . . . . | 15'35                             | 14'01                   | —1'34                    | —9                                          |

*July.*—During the first nine days of the month, the Bombay current was somewhat feeble, and the Bay of Bengal current was above its normal intensity as measured by the surface air motion. Abundant rain fell during this period in the North-Western Provinces and Bengal. On the 10th a great increase occurred in the strength of the Bombay current, and heavy rain fell in the coast districts on the 11th, 12th, 13th and 14th, and moderate showers in the Central Provinces and Central India until the 14th. It gave a heavy burst of rain to the Berars and some parts of the Central Provinces on the 14th and 15th. During this period, from the 10th to the 16th, a small depression formed off the Orissa coast, and hung off the coast for upwards of a week without developing to any extent. On the 17th, when the depression at the centre probably did not exceed a sixth of an inch, it advanced across the Orissa coast, moved slowly through Chutia Nagpur on the 19th and 20th, and into the north-eastern district of the Central Provinces on the 21st and 22nd, and passed into Rajputana on the 23rd, where it gradually filled up. The weakness of the Bengal current at this time was shewn by the absence of development of the storm at the head of Bay, and by the extreme slowness of its motion. As soon as it passed into Chutia Nagpur, the westerly winds of the Bombay current, which had been blowing strongly for several days, began to feed into it, and very heavy rain fell in the Central Provinces and Central India to the west of the depression, whilst very moderate rain was received in the districts to the east and north of its path. After its disappearance on the 24th, the rainfall diminished rapidly in the interior and was confined chiefly to light local showers. Heavy rain continued to fall in the Malabar coast districts, and a considerable influx of vapour was carried across the Bengal coast into the interior. Heavy rain fell in Bengal on the 25th, and extended to Behar and the eastern districts of the North-Western Provinces on the 26th. A very heavy burst of rain, probably due mainly to the same action, was received at the hill stations and adjacent plains districts of Upper India on the 27th. During the remainder of the month rain was general and heavy over the North-Western Provinces, Behar, Bengal, Assam and the north-eastern districts of the Central Provinces.

In the Punjab the rainfall of the month was very considerably in excess. The eastern and southern districts received heavy rain on the 3rd and 4th. Hoshiarpur registered 9'75 inches on the 3rd. General rain fell throughout the province from the 11th to the 16th, and also on the 27th, and occasional showers in the intervals between these periods. The rainfall during the month was mainly determined to the south-eastern districts, in which nearly all the large amounts were registered. The total rainfall

of the month was above the normal in all except the most northern districts. It was only at the hill stations and in the south-eastern districts that the excess was considerable. The following are the more important variations :—

|                      | Total rainfall.<br>August 1886. | Normal rainfall.<br>August. | Excess. |
|----------------------|---------------------------------|-----------------------------|---------|
| Hoshiarpur . . . . . | 17'25                           | 10'18                       | 7'07    |
| Gurdaspur . . . . .  | 18'80                           | 9'90                        | 8'90    |
| Amritsar . . . . .   | 13'60                           | 8'52                        | 5'08    |
| Hissar . . . . .     | 10'30                           | 4'66                        | 5'64    |
| Rohtak . . . . .     | 10'90                           | 5'89                        | 5'01    |
| Ludhiana . . . . .   | 14'45                           | 9'74                        | 4'71    |
| Umballa . . . . .    | 15'00                           | 11'58                       | 3'42    |

In Rajputana showers were received from 1st to the 6th. A short break followed until the 12th, when the rains recommenced, and continued steadily throughout the remainder of the month. The rainfall of the month was in excess generally by considerable amounts, except in Merwara, Marwar and Ajmere, or the area represented by Ajmere, Nuseerabad, Beawar and Jodhpore, in which there was a largish deficiency exceeding three inches. Central India received rain on every day of the month, but the daily amounts registered were not large, except in the eastern districts during the passage of the cyclonic storm from the head of the Bay through it into Rajputana. Amongst the larger falls during that period were :—

| STATIONS.          | Day. | Rainfall in 24 hours. |
|--------------------|------|-----------------------|
| Maihar . . . . .   | 20th | 9'50 inches.          |
| Ramnagar . . . . . | 20th | 6'34 "                |
| Sutna . . . . .    | 21st | 5'17 "                |
| Nowgong . . . . .  | 21st | 4'24 "                |

The rainfall of the month was considerably in excess in the eastern districts, more especially at Maihar (+6'47 inches), Morar, (+5'54 inches), Sitlaha (+5'57 inches), and Sutna (+4'7 inches), and was in defect by similar amounts in the western districts. Thus the deficiency at Neemuch was 5'62 inches, at Rutlam 5'85 inches, and at Agar 4'98 inches.

In the North-Western Provinces rain fell generally during the greater part of the month. The only period during which there was an almost entire cessation was from the 13th to the 16th. The rainfall was very irregularly distributed, and was very largely determined to the eastern districts, partly by the peculiar or abnormal pressure conditions of the month, and partly by the influence of the cyclonic storm of the third week of the month. The 5th and 6th, the 27th, 28th and 29th formed the two periods of most general and heaviest rainfall. The largest amount recorded for any one day during the month was a fall of 6'01 inches at Agra on the 6th. The total rainfall of the month

was very considerably in defect in the western districts, as shewn by the following variations :—

| STATIONS,              | Total rainfall of month. | Defect.      |
|------------------------|--------------------------|--------------|
| Saharanpur . . . . .   | 6'30                     | 5'81 inches. |
| Bijnor . . . . .       | 7'19                     | 3'48 "       |
| Meerut . . . . .       | 6'15                     | 3'09 "       |
| Bulandshahr . . . . .  | 1'31                     | 7'24 "       |
| Bareilly . . . . .     | 11'62                    | 2'89 "       |
| Budaon . . . . .       | 8'63                     | 2'23 "       |
| Shahjehanpur . . . . . | 9'06                     | 3'16 "       |

These stations define the area of deficient rainfall during the month. All the districts to the east of that area, with the exception of Allahabad, Mirzapur, Hamirpur and Basti in the North-Western Provinces, and Lucknow, Hardoi, Fyzabad and Gonda in Oudh received amounts considerably in excess of the normal.

The area of most abundant rain in the North-Western Provinces during the month included the following stations:—

|                     | Total rainfall of month. | Excess.      |
|---------------------|--------------------------|--------------|
| Azamgarh . . . . .  | 20'27                    | 8'98 inches. |
| Jalaun . . . . .    | 19'20                    | 8'51 "       |
| Ghazipur . . . . .  | 19'11                    | 8'23 "       |
| Sultanpur . . . . . | 18'32                    | 6'03 "       |

In Orissa, Chutia Nagpur and South-West Bengal fairly general rain was received on every day of the month. In East and North Bengal and in Behar there was a partial break, extending from the 12th to the 17th, during which the small cyclonic storm was slowly developing at the head of the Bay. The periods of heaviest and most general rain throughout the province were from the 4th to the 8th and from the 20th to the end of the month. The more remarkable local falls during the month were 15'72 inches at Cox's Bazar on the 9th, 9'64 inches at Jalpaiguri on the 6th, 12'21 inches at Rangamatia on the 8th, and 8'27 inches at Gya on the 27th. The rainfall of the month was very unequally distributed. It was considerably over the average in Behar and the south-eastern districts of East Bengal. It was in excess to a small extent over the greater part of South and Central Bengal, and the coast districts of Orissa. It was slightly below it in the greater part of Chutia Nagpur, a large part of Orissa, and the greater part of North Bengal. The districts of most excessive rainfall are shewn by the following :—

|                  | Total rainfall of month. | Excess.       |
|------------------|--------------------------|---------------|
| Chupra . . . . . | 25'62                    | 14'90 inches. |
| Patna . . . . .  | 22'09                    | 11'06 "       |
| Gya . . . . .    | 20'66                    | 8'73 "        |
| Sarun . . . . .  | 21'56                    | 9'50 "        |

This determination of excessive rainfall to the central and southern districts of Behar, which was a very marked feature of the month of July, became even more prominent in the later months of the rains.

The following table shows the general character of the rainfall distribution of the month in Bengal :—

| DIVISIONS.                  | Average, 1886. | Normal average. | Variation. |
|-----------------------------|----------------|-----------------|------------|
| Orissa . . . . .            | 11'11          | 12'82           | —1'71      |
| South-West Bengal . . . . . | 14'72          | 11'74           | +2'98      |
| East Bengal . . . . .       | 19'26          | 16'35           | +2'91      |
| North Bengal . . . . .      | 15'13          | 14'33           | +0'80      |
| North Behar . . . . .       | 18'80          | 12'24           | +6'56      |
| South Behar . . . . .       | 16'05          | 11'93           | +4'12      |
| Chutia Nagpur . . . . .     | 11'23          | 13'51           | —2'28      |

In Assam the month was one of almost continuous rainfall, and the total amounts registered were in excess at all stations except Sibsagar, Dhubri and Cherra Poonjee. Silchar received 13'19 inches more than its normal amount, and the rainfall of the month was exceptionally heavy and continuous in the Cachar district. There were two periods of general and heavy rainfall, *viz.*, from the 3rd to the 7th and from the 19th to the 24th. During the first of these periods, lasting for five days, 60'7 inches were registered at Cherra Poonjee.

In the Central Provinces rain fell almost continuously from the 1st to the 23rd, when a short break lasting for three days intervened. During the remainder of the month rain again became more general, but was generally very moderate in amount, except on the 29th, when some heavy showers were received in the eastern districts. The 15th and 16th were the days of most general and heaviest rainfall during the month, and several amounts of three and four inches were recorded on that day. The variations of the total rainfall of the month from the normal varied very considerably. There was a considerable deficiency in the eastern districts represented by Raipur, Bilaspur and Wardha bordering on Chutia Nagpur, and also locally at Khandwa. In other districts the rainfall was above the average. This was more especially the case at Chikalda (where the excess was 10'89 inches, and Akola where it was 7'02 inches.)

In Hyderabad occasional showers were received until the 8th, when general rain commenced and continued until the 25th. A short and partial break ensued which lasted till the end of the month. No very large amounts were received, but the steady rainfall during the month gave total amounts very considerably in excess of the normal average, and averaging 2'52 inches for the whole district.

In Bombay, the rainfall was limited in amount and partial until the 7th, when a great increase occurred in the strength of the westerly winds on the Bombay coast. They blew very steadily and strongly during the remainder of the month, and gave rainfall very largely in excess of the normal amount in every part of the Presidency, except the Satara and Poona districts. Amongst the heaviest and most noteworthy rainfalls due to this vast influx were—

| Stations.              | Day. | Rainfall in 24 hours. |
|------------------------|------|-----------------------|
| Ratnagiri . . . . .    | 10th | 9'23 inches.          |
| Karwar . . . . .       | 10th | 8'90 „                |
| Mahableshwar . . . . . | 22nd | 10'75 „               |
| Dittó . . . . .        | 23rd | 9'85 „                |

The amount of the excess varied very largely in different parts of the Presidency. The following gives some of the more remarkable:—

|                     | Total<br>rainfall<br>of month. | Excess.       |
|---------------------|--------------------------------|---------------|
| Karwar . . . . .    | 61'92                          | 24'26 inches. |
| Ratnagiri . . . . . | 53'66                          | 20'04 „       |
| Honawar . . . . .   | 62'15                          | 19'14 „       |
| Vingurla . . . . .  | 51'58                          | 15'96 „       |
| Goa . . . . .       | 50'71                          | 17'64 „       |
| Bombay . . . . .    | 35'79                          | 11'12 „       |
| Rajkot . . . . .    | 23'74                          | 13'40 „       |

In Ganjam and the Circars rain fell on almost every day during the month. In the southern districts of the Madras Presidency light or moderate showers were received at frequent intervals. The total rainfall was above the average in the whole of Madras, as in Mysore and Coorg, by moderate amounts. The general character of this excess is briefly indicated by its value in the following cases:—

|                        | Total<br>rainfall. | Excess.      |
|------------------------|--------------------|--------------|
| Ganjam . . . . .       | 6'65               | 1'44 inches. |
| Vizagapatam . . . . .  | 7'50               | 2'68 „       |
| Kurnool . . . . .      | 7'50               | 2'43 „       |
| Cuddapah . . . . .     | 4'63               | 1'15 „       |
| Arcot . . . . .        | 5'98               | 2'52 „       |
| Madras . . . . .       | 5'61               | 1'82 „       |
| Tranquebar . . . . .   | 5'75               | 3'65 „       |
| Tanjore . . . . .      | 6'45               | 4'53 „       |
| Trichinopoly . . . . . | 6'19               | 4'03 „       |
| Madura . . . . .       | 6'36               | 4'67 „       |

The rainfall of the month was also in excess by similar amounts in Ceylon. The largest variation occurred at Galle, where the total was 5'78 inches above the normal rainfall of the month.

Burma and Arakan received almost continuous rain during the month, but there was a moderate deficiency varying from five to twenty per cent., except at Akyab, where it amounted to 11'69 inches, or nearly 25 per cent. of the average fall of the month.

The following table summarizes the chief features of the rainfall of the month:—

| DISTRICTS.                                 | Normal average<br>rainfall of<br>month. | Actual average<br>in 1886. | Excess or defect<br>in inches. | Excess or defect<br>expressed as a<br>percentage. |
|--------------------------------------------|-----------------------------------------|----------------------------|--------------------------------|---------------------------------------------------|
| Western Himalayas . . . . .                | 14'91                                   | 15'24                      | +0'33                          | + 2                                               |
| Punjab Plains . . . . .                    | 6'27                                    | 8'47                       | +2'20                          | +35                                               |
| North-Western Provinces and Oudh . . . . . | 11'75                                   | 12'03                      | +0'28                          | + 2                                               |
| Rajputana . . . . .                        | 7'45                                    | 8'67                       | +1'22                          | +16                                               |
| Central India States . . . . .             | 14'39                                   | 15'25                      | +0'86                          | + 6                                               |
| Behar . . . . .                            | 11'66                                   | 18'05                      | +6'39                          | +55                                               |
| Western Bengal & Chutia Nagpur . . . . .   | 13'03                                   | 13'19                      | +0'16                          | + 1                                               |

| DISTRICTS.                            | Normal average<br>rainfall of<br>month. | Actual average<br>in 1886. | Excess or defect<br>in inches. | Excess or defect<br>expressed as a<br>percentage. |
|---------------------------------------|-----------------------------------------|----------------------------|--------------------------------|---------------------------------------------------|
| Lower Bengal . . . . .                | 13'04                                   | 13'94                      | +0'90                          | + 7                                               |
| Eastern Himalayas . . . . .           | 28'75                                   | 28'79                      | +0'04                          | 0                                                 |
| Assam and Eastern Bengal . . . . .    | 23'19                                   | 27'04                      | +3'85                          | +17                                               |
| Orissa and Northern Circars . . . . . | 11'50                                   | 11'50                      | 0                              | 0                                                 |
| Central Provinces, South . . . . .    | 16'14                                   | 15'72                      | -0'42                          | - 3                                               |
| Berar and Khandesh . . . . .          | 9'92                                    | 12'15                      | +2'23                          | +22                                               |
| Guzerat . . . . .                     | 12'73                                   | 17'46                      | +4'73                          | +37                                               |
| Sind and Cutch . . . . .              | 3'50                                    | 5'76                       | +2'26                          | +65                                               |
| North Deccan . . . . .                | 6'21                                    | 5'97                       | -0'24                          | - 4                                               |
| Konkan and Ghats . . . . .            | 52'10                                   | 64'33                      | +12'23                         | +23                                               |
| Malabar and Ghats . . . . .           | 32'04                                   | 31'71                      | -0'33                          | - 1                                               |
| Hyderabad . . . . .                   | 6'93                                    | 9'45                       | +2'52                          | +36                                               |
| Ceded Districts and Mysore . . . . .  | 3'55                                    | 5'63                       | +2'08                          | +59                                               |
| Carnatic . . . . .                    | 2'40                                    | 4'42                       | +2'02                          | +84                                               |
| Neilguries . . . . .                  | 3'17                                    | 5'20                       | +2'03                          | +64                                               |
| Ceylon . . . . .                      | 4'30                                    | 6'43                       | +2'13                          | +50                                               |
| Arakan . . . . .                      | 37'01                                   | 36'54                      | -0'47                          | - 1                                               |
| Pegu . . . . .                        | 17'05                                   | 14'00                      | -3'05                          | -18                                               |
| Tenasserim . . . . .                  | 38'87                                   | 40'57                      | +1'70                          | + 4                                               |
| Bay Islands . . . . .                 | 14'62                                   | 10'38                      | -4'24                          | -29                                               |

*August.*—An almost complete break in the rains obtained in Western and Central India at the commencement of the month. Rain on the other hand fell steadily in Northern India from the 1st to the 5th, after which it decreased rapidly in amount. From the 5th to the 10th the break in the rains became more and more general, and on the 10th practically extended over the whole of India. The winds on the west coast began to strengthen on the 11th, and gave increasing amounts of rain. A small whirl of a very unusual character appeared off the coast of the Circars, and drifted slowly northwards in the neighbourhood of the coast. Rain increased steadily on the west coast and the Deccan, whilst the small whirl continued its northward march. It finally crossed the coast between False Point and Gopalpur on the morning of the 18th. It then advanced to the north-west, and caused a considerably increased influx of winds from the Arabian Sea. The rainfall over the west coast districts, the Deccan and Central Provinces, on the 19th and 20th was consequently large. The storm filled up on the 21st in Bundelkund and Central India, but heavy rain fell on that day over a large part of Central India and the Central Provinces. During the remainder of the month the Bombay current was weak; but the Bengal current, after some slight irregular cyclonic action in South Bengal on the 23rd and 24th, blew steadily up the Gangetic plain, and gave general and moderate rain on the 25th, 26th and 27th to Northern India. The current then weakened, and the rainfall

diminished rapidly in amount, so that at the end of August an almost complete break in the rains again obtained over the whole of India.

During the month of August, showers more or less local in character occurred in the Punjab, but there was an entire absence of heavy general rain. The rainfall of the month was very largely below the average. The deficiency increased in amount from north and west to south and east and reached a maximum in the Gurgaon district. The rainfall at the head-quarter station of that district was only 1·10 inches or 5·71 inches below the average.

In Rajputana the south-western districts received general and daily rain throughout the month, except during a short break extending from the 10th to 15th. Central and North Rajputana had a heavy burst of rain in common with the southern districts from the 18th to the 22nd, due to the passage of the storm described above from the Bay of Bengal. Showers were also received on the 28th, 29th and 31st, but during the remainder of the month little or no rain fell. Some large amounts were recorded on the 20th and 21st, amongst which the more noteworthy were:—

|                    |                          |
|--------------------|--------------------------|
| Banswara . . . . . | 6·61 inches on the 21st. |
| Sambhar . . . . .  | 6·45 ditto.              |
| Tonk . . . . .     | 6·14 ditto.              |
| Erinpura . . . . . | 5·58 ditto.              |

The rainfall of the month was above the average except in Ulwur, Bhurtpore, Ajmere and Bickaneer. The deficiency was small except at Ulwur, where it amounted to 6·87 inches. There was a considerable excess in the southern and western districts, more especially at Odeypore (6·64 inches), Banswara (5·85 inches), and Partabgarh (5·95 inches).

In the North-Western Provinces the rainfall was very irregularly distributed. Heavy general rain was received during the first four days of the month. An almost entire break then commenced, and lasted until the 14th, after which occasional showers fell for some days. From the 23rd to the 28th was a period of heavy general rain over the whole province. The rainfall of the month was above the average in all districts except the more eastern, including Allahabad, Hamirpur, Benares, Banda, Jalaun, Fatehpur and Lucknow. The variations were however comparatively small, except in the following cases where the rainfall was very largely in excess:—

|                        | Normal<br>rainfall, August. | Actual<br>rainfall, August<br>1886. | Excess. |
|------------------------|-----------------------------|-------------------------------------|---------|
| Bulandshahr . . . . .  | 7·01                        | 18·40                               | 11·39   |
| Budaun . . . . .       | 8·62                        | 20·91                               | 12·29   |
| Shahjehanpur . . . . . | 9·24                        | 19·13                               | 9·89    |
| Moradabad . . . . .    | 9·94                        | 18·85                               | 8·91    |
| Naini Tal . . . . .    | 25·03                       | 48·40                               | 23·37   |

The month was one of heavy and almost incessant rain in Bengal. From the 7th to the 21st there was a partial break in Behar, during which weather was fine with light occasional showers. The rainfall was however very irregularly distributed. There was as in the preceding month a marked determination of aqueous vapour condensation to Behar,



and the rainfall in that area was largely in excess. It was generally in defect in Chutia Nagpur and Orissa, but the variations were small, and of no great importance except at Chyebassa, in Singhbhum, which barely received half its normal amount. The rainfall was excessive over the whole of Bengal, with the exception of the 24-Pergunnahs, Burdwan and Midnapore, where there was a slight local deficiency.

The excess was largest in East and North Bengal and in North Behar, and exceeded 10 inches at Chittagong (13·2 inches), Kishoreganj (14·95 inches), Kissengunge (13·68 inches), Baxa (22·4 inches), Darjeeling (10·93 inches), and Purneah (13·62 inches).

The following table gives the distribution and variation in the various divisions of Bengal:—

| Divisions.                  | Average, 1885. | Normal average. | Variation. |
|-----------------------------|----------------|-----------------|------------|
| Orissa . . . . .            | 9·37           | 11·43           | —2·06      |
| South-West Bengal . . . . . | 11·71          | 13·03           | —1·32      |
| East Bengal . . . . .       | 21·38          | 15·58           | +5·80      |
| North Bengal . . . . .      | 15·82          | 14·05           | +1·77      |
| North Behar . . . . .       | 17·81          | 11·11           | +6·70      |
| South Behar . . . . .       | 12·33          | 11·35           | +0·98      |
| Chutia Nagpur . . . . .     | 10·82          | 13·50           | —2·68      |

The first ten days of the month formed a period of continuous and heavy rain in Assam. On three days during this period Cherra Poonjee received rainfalls exceeding 10 inches, *viz.*, 19·7 inches on the 5th, 17·43 inches on the 8th, and 14·35 inches on the 10th. Almost daily showers were received during the remainder of the month. In the Garo and Khasia hills and the Silchar districts the rainfall was unusually abundant. Cherra Poonjee received an excess of 39·32 inches, and Sylhet of 15·92 inches. In the Assam valley, the variations were small and compensatory, and the rainfall of the month normal in amount.

In the Central Provinces frequent showers fell throughout the month, but they were generally very light, and rarely exceeded four or five-tenths of an inch. There was a partial break from the 6th to the 11th, which was more marked and complete in the Berars than in the Central Provinces. The total rainfall of the month was very considerably in defect in all parts of the province except Sironcha. Amongst the larger deficiencies were—

|                       | Inches. |                    | Inches. |
|-----------------------|---------|--------------------|---------|
| Jubbulpore . . . . .  | 6·52    | Bilaspur . . . . . | 5·47    |
| Hoshangabad . . . . . | 6·57    | Raipur . . . . .   | 8·12    |
| Seoni . . . . .       | 5·48    |                    |         |

Hyderabad received very heavy general rainfall. An unusually heavy downpour of rain occurred during the period, extending from the 13th to the 20th. Amongst the more remarkable falls were:—

|                     | Inches.           |
|---------------------|-------------------|
| Indur . . . . .     | 8·10 on the 16th. |
| Yelgandal . . . . . | 6·67 „ 16th.      |
| Ditto . . . . .     | 5·20 „ 17th.      |

This rainfall occurred immediately after the great increase of the strength of the Bombay current and of rainfall on the west coast, which began on the 12th. The total

rainfall was largely in excess with one or two exceptions. The excess was greatest at Indur, for which it was 10·24 inches and averaged 3·13 inches for the whole division.

The Bombay current was unusually light at the commencement of the month and gave occasional feeble showers, chiefly in the coast districts. It strengthened considerably on the 12th, and gave general and daily rain during the remainder of the month. The amounts were however generally smaller than usual, and the rainfall of the month was hence in defect at the great majority of stations. The deficiency was largest in the Konkan and adjacent Deccan districts. At Honawar it was 9·31 inches, at Igatpuri 7·99 inches, at Tanna 7·09 inches, at Belgaum 4·79 inches, at Bombay 4·39 inches, and at Satara 4·08 inches.

Madras, Ganjam and the Circars received very frequent showers during the whole month, and a heavy burst from the 15th to the 19th. In the southern districts of the Peninsula showers were of frequent occurrence until the 17th or 18th, when a break in the rains commenced and lasted until the end of the month, with the exception of the 27th and 28th, when some showers fell, chiefly in the central districts. The rainfall of the month was in excess in all districts except the Travancore and Cochin coast districts, where it was nearly as deficient as further north on the Konkan coast. It would thus appear that in consequence of some unknown abnormal conditions, the vapour brought up from the Arabian sea by the Bombay monsoon winds was less largely condensed in the coast districts than usual, and more largely in the East Deccan, Hyderabad and Madras, so that these latter districts received unusually copious supplies of rain. Amongst the more noteworthy rainfalls of the month were:—

| STATIONS.              | Total rainfall,<br>August 1886. | Variation. |
|------------------------|---------------------------------|------------|
|                        | Inches.                         | Inches.    |
| Vizianagram . . . . .  | 17·15                           | + 10·56    |
| Masulipatam . . . . .  | 19·93                           | + 13·90    |
| Cuddalore . . . . .    | 13·89                           | + 8·80     |
| Kumbakonam . . . . .   | 15·05                           | + 10·24    |
| Negapatam . . . . .    | 10·34                           | + 6·93     |
| Arcot . . . . .        | 10·32                           | + 4·29     |
| Trichinopoly . . . . . | 7·60                            | + 3·23     |
| Madura . . . . .       | 5·86                            | + 1·21     |
| Calicut . . . . .      | 4·90                            | — 8·41     |
| Mangalore . . . . .    | 11·17                           | — 11·91    |

Mysore and Coorg received slightly less than their normal amounts except at one or two stations, including Bangalore and Tumbur.

In Ceylon the rainfall of the month was generally favourable and above the average to a small extent.

In Burma rain fell daily, but was irregularly distributed. The total rainfall of the month was slightly above the average in Tenasserim and at Kyaukpyu, and considerably above it at Toungoo and Shwegyin (10·17 inches), but was below it at other stations. The deficiency slightly exceeded 5 inches at Akyab, Sandoway and Henzada.

The following table summarizes the chief features of the rainfall of the month :—

| DISTRICTS.                                 | Normal average<br>rainfall of<br>month. | Actual average<br>in 1886. | Excess or defect<br>in inches. | Excess or defect<br>expressed as a<br>percentage. |
|--------------------------------------------|-----------------------------------------|----------------------------|--------------------------------|---------------------------------------------------|
| Western Himalayas . . . . .                | 14'47                                   | 15'36                      | + 0'89                         | + 6                                               |
| Punjab Plains . . . . .                    | 5'07                                    | 3'73                       | — 1'34                         | — 26                                              |
| North-Western Provinces and Oudh . . . . . | 9'93                                    | 11'67                      | + 1'74                         | + 18                                              |
| Rajputana . . . . .                        | 6'51                                    | 6'39                       | — 0'12                         | — 2                                               |
| Central India States . . . . .             | 11'61                                   | 7'57                       | — 4'04                         | — 35                                              |
| Behar . . . . .                            | 10'60                                   | 13'08                      | + 2'48                         | + 23                                              |
| Western Bengal and Chutia Nagpur . . . . . | 13'16                                   | 11'44                      | — 1'72                         | — 13                                              |
| Lower Bengal . . . . .                     | 12'81                                   | 14'75                      | + 1'94                         | + 15                                              |
| Eastern Himalayas . . . . .                | 26'50                                   | 34'62                      | + 8'12                         | + 31                                              |
| Assam and Eastern Bengal . . . . .         | 19'89                                   | 25'58                      | + 5'69                         | + 29                                              |
| Orissa and Northern Circars . . . . .      | 9'67                                    | 11'76                      | + 2'09                         | + 22                                              |
| Central Provinces, South . . . . .         | 11'92                                   | 7'40                       | — 4'52                         | — 38                                              |
| Berar and Khandesh . . . . .               | 7'96                                    | 8'09                       | + 0'13                         | + 2                                               |
| Guzerat . . . . .                          | 8'48                                    | 7'51                       | — 0'97                         | — 11                                              |
| Sind and Cutch . . . . .                   | 2'81                                    | 0'98                       | — 1'83                         | — 65                                              |
| North Deccan . . . . .                     | 4'75                                    | 3'83                       | — 0'92                         | — 19                                              |
| Konkan and Ghats . . . . .                 | 33'17                                   | 28'18                      | — 4'99                         | — 15                                              |
| Malabar and Ghats . . . . .                | 17'38                                   | 10'11                      | — 7'27                         | — 42                                              |
| Hyderabad . . . . .                        | 7'03                                    | 10'16                      | + 3'13                         | + 45                                              |
| Ceded Districts and Mysore . . . . .       | 4'35                                    | 5'45                       | + 1'10                         | + 25                                              |
| Carnatic . . . . .                         | 4'07                                    | 6'49                       | + 2'42                         | + 59                                              |
| Neilguries . . . . .                       | 3'96                                    | 4'77                       | + 0'81                         | + 20                                              |
| Ceylon . . . . .                           | 4'41                                    | 6'08                       | + 1'67                         | + 38                                              |
| Arakan . . . . .                           | 29'85                                   | 33'16                      | + 3'31                         | + 11                                              |
| Pegu . . . . .                             | 15'91                                   | 14'80                      | — 1'11                         | — 7                                               |
| Tenasserim . . . . .                       | 36'34                                   | 36'84                      | + 0'50                         | + 1                                               |
| Bay Islands . . . . .                      | 13'36                                   | 15'67                      | + 2'31                         | + 17                                              |

*September.*—Both currents were weak at the commencement of the month. The Bengal current strengthened again on the 4th and 5th of the month. During the remainder of the month a special feature, which had hitherto been masked by other actions, came into prominence. This was the tendency to the formation of areas of low pressure in the eastern districts of the North-Western Provinces and in South and Central Behar. This accompanied an even stronger determination of the aqueous vapour of the Bengal current than hitherto to Behar, and the occurrence of abnormally heavy rainfall in Behar and the adjacent districts of the North-Western Provinces. The first occasion was on

the 5th and 6th in the eastern districts of the North-Western Provinces. The second was on the 8th, 9th, 10th, and 11th, when a very clearly marked and purely land-formed depression covered Central and South Behar. The depression was practically stationary during the whole period of its existence, and gave excessively heavy rain and floods, more especially in South Behar.

A small depression formed in the north-west angle of the Bay on the 15th, and passed northwards into Chutia Nagpur on the 16th and 17th; a second appeared on the 18th in the same part of the Bay, and unlike the previous was nearly stationary until the 21st, when it advanced across the coast through Chutia Nagpur on the 22nd into South Behar on the 23rd, and gave very heavy rain on that day and the 24th in some parts of Central Behar.

After its disappearance on the 25th a complete break in the rains was established over the whole of India during the next three days. A depression then began to form off the coast of Ganjam and the Circars which caused the reversion of the south-west current, and the north-easterly and easterly winds thus produced gave heavy rain in the coast districts of South-West Bengal and Orissa until the end of the month.

In the Punjab a few light showers fell during the first week of the month, but from that date till the end of the month no rain was received except at the hill stations. Hence the month was exceptionally dry, and the rainfall seriously in defect at all stations. The deficiency increased from one inch in the western districts to three and four inches in the south-eastern districts (Delhi, Gurgaon and Kurnal.)

In Rajputana showers, in some cases heavy, were received between the 1st and 5th of the month, after which clear dry weather set in and continued to the end of the month. The deficiency in the total rainfall of the month was even more marked than in the Punjab, and varied from one to eight inches in amount.

In the western districts of Central India rain fell until the 4th of the month, and the total amounts were hence even more largely in defect than in Rajputana. The eastern districts shared partially in the heavy rainfall of the second week of the month, which was determined mainly to Behar and the eastern districts of the North-Western Provinces: the rainfall of the month was hence either normal or slightly in excess. The following table contrasts the variations in the eastern and western districts:—

|                   |   |          |   |   |   | Variation from average. |
|-------------------|---|----------|---|---|---|-------------------------|
| WESTERN DISTRICTS | { | Neemuch  | . | . | . | —4'37 inches.           |
|                   |   | Rutlam   | . | . | . | —5'65 "                 |
|                   |   | Indore   | . | . | . | —7'48 "                 |
|                   |   | Bhopal   | . | . | . | —8'03 "                 |
| EASTERN DISTRICTS | { | Ramnagar | . | . | . | +2'09 "                 |
|                   |   | Sitlaha  | . | . | . | +2'23 "                 |
|                   |   | Sutna    | . | . | . | +0'22 "                 |

The rainfall in the North-Western Provinces was also considerably below its normal amount with few exceptions. Showers fell on the first four days. This was followed by heavy rain on the 5th and 6th, after which the rainfall was very limited in amount and confined to light showers, which were received chiefly on the eastern districts. The rains practically ceased on the 14th in the western districts and Oudh, and on the 17th in the eastern districts. The deficiency was less pronounced than in the Punjab or Central India. Several

stations which received heavy rain on the 5th and 6th showed a moderate excess. The following gives a general view of the deficiency :—

|                       | Total rainfall of month. | Defect.      |
|-----------------------|--------------------------|--------------|
| Roorkee . . . . .     | 1'23                     | 3'83 inches. |
| Meerut . . . . .      | 3'47                     | 0'52 "       |
| Bulandshahr . . . . . | 0'50                     | 3'60 "       |
| Agra . . . . .        | 1'61                     | 2'71 "       |
| Cawnpore . . . . .    | 1'75                     | 3'07 "       |
| Gorakhpur . . . . .   | 5'07                     | 3'76 "       |
| Mirzapur . . . . .    | 4'87                     | 2'02 "       |
| Fyzabad . . . . .     | 1'73                     | 6'16 "       |

The chief centres of larger rainfall than usual were Jalaun (+6'28 inches), Lucknow (+3'11 inches), Jaunpur (+3'75 inches), Budaun (+5'16 inches), Aligarh (+3'05 inches), and Shahjehanpur (+2'56 inches).

In Bengal and Orissa rain fell in larger or smaller quantities throughout the whole month. Little rain fell in Behar from the 1st to the 4th and from the 25th to the end of the month. The periods of most general and heaviest rain were from the 5th to the 10th and from the 13th to the 23rd. The total rainfall of the month was largely above the average in Behar (more especially the southern districts), the northern and central districts of Chutia Nagpur, Orissa, and the whole of Northern and Central Bengal. There was generally a slight excess in the southern and eastern districts. The following table illustrates the previous statement :—

|                      | Total rainfall of Sept. 1886. | Excess.       |
|----------------------|-------------------------------|---------------|
| Monghyr . . . . .    | 21'67                         | 13'23 inches. |
| Bhagalpur . . . . .  | 25'61                         | 17'80 "       |
| Nya Doomka . . . . . | 21'85                         | 11'15 "       |
| Jalpaiguri . . . . . | 35'90                         | 11'61 "       |
| Kissengunj . . . . . | 29'57                         | 15'31 "       |
| Maldah . . . . .     | 20'83                         | 9'98 "        |
| Gya . . . . .        | 16'86                         | 9'82 "        |

The variations of the rainfall in Bengal from the normal are shown by the following data extracted from the Bengal monthly report for September 1886 :—

| DIVISIONS.                  | Average rainfall, September 1886. | Normal average rainfall, September. | Variation. |
|-----------------------------|-----------------------------------|-------------------------------------|------------|
| Orissa . . . . .            | 15'75                             | 10'47                               | +5'28      |
| South-West Bengal . . . . . | 12'48                             | 8'90                                | +3'58      |
| East Bengal . . . . .       | 13'46                             | 12'46                               | +1'00      |
| North Bengal . . . . .      | 22'29                             | 12'72                               | +9'57      |
| North Behar . . . . .       | 13'82                             | 9'73                                | +4'09      |
| South Behar . . . . .       | 16'59                             | 7'26                                | +9'33      |
| Chutia Nagpur . . . . .     | 11'62                             | 8'66                                | +2'96      |

In Assam and Cachar there was rain daily. The total rainfall was slightly in defect at Sibsagar and the hill stations. There was a large excess in Silchar, and also in the eastern and central districts of the Assam valley. The rainfall of the month at Silchar was 12'02 inches in excess and at Nowgong 9'26 inches.

Showers fell throughout the Central Provinces and Berars until the 5th or 6th of the month. With the exception of some showers which fell chiefly on the 13th, 14th, 15th, and 16th in the Sambalpur, Raipur, Bilaspore and Nagpur districts, the remainder of the month was rainless and the weather unusually dry and hot. The rainfall of the month was hence very largely in defect, except in the Sambalpur and Raipur districts, where it was slightly above the average. The deficiency varied from 5 to 7 inches over nearly the whole of the remainder of the province, and was absolutely greatest at Pachmarhi (12·37 inches) and Hoshangabad (9·39 inches).

In Hyderabad light showers were received at intervals until the 21st. There was only one day of general rain, *viz.*, the 2nd, on which falls exceeding three inches were received at several stations. The rainfall of the month was almost universally in defect by amounts varying from 1 to 6 inches.

The rainfall in the Bombay Presidency was similar in character to that of the Central Provinces and Hyderabad but larger in amount. Frequent showers occurred in the coast districts, and occasional showers in the Deccan districts during the month. There was however no general or heavy burst of rain, and the total rainfall of the month was hence largely in defect. A few showers fell from the 1st to the 4th in Sind and Guzerat, after which the weather was dry and clear. The variations differed very largely in the coast and interior districts. The following give some of the more striking :—

|                     | Total rainfall<br>of month. | Deficiency. | Percentage<br>deficiency. |
|---------------------|-----------------------------|-------------|---------------------------|
| Baura . . . . .     | 11·17                       | 23·40       | 68                        |
| Lanauli . . . . .   | 8·64                        | 15·14       | 64                        |
| Matheran . . . . .  | 14·38                       | 16·62       | 54                        |
| Honawar . . . . .   | 4·77                        | 10·57       | 69                        |
| Ratnagiri . . . . . | 3·41                        | 9·42        | 73                        |
| Sholapur . . . . .  | 3·21                        | 4·26        | 57                        |
| Surat . . . . .     | 1·93                        | 5·32        | 73                        |
| Ahmedabad . . . . . | 0·44                        | 3·89        | 90                        |
| Rajkot . . . . .    | 0·56                        | 3·67        | 87                        |
| Kurrachee . . . . . | 0·08                        | 0·77        | 91                        |

The Ganjam district of Madras received frequent heavy showers during the month; but over nearly the whole Presidency, with that exception, the rainfall was of the same irregularly distributed character as in the Deccan and Hyderabad. The southern districts received frequent showers during the first ten days of the month, and again after a longish interval of fine weather from the 21st to the 28th.

The rainfall of the month was in excess to a moderate amount in Ganjam. It was below the average in all the northern and central districts of Madras and in Travancore and Malabar with one or two unimportant exceptions, but was above the average in the southern districts, including Negapatam, Tanjore, Coimbatore, Madura, Tinnevely. The excess was greatest at Madura, which received 7·46 inches more than its normal amount. Mysore and Coorg also shared in the larger rainfall of Southern India, and received from two to

five inches in excess of the average. The rainfall of Ceylon was also above the normal by moderate amounts, averaging 2·2 inches for the whole island.

The month was one of frequent and almost daily rain in Burma. The total fall varied very slightly from the normal, except locally at Moulmein, where there was a very large deficiency of 14·5 inches, and Sandoway, where there was a deficiency of 7·03 inches.

The following table summarizes the chief features of the rainfall of the month :—

| DISTRICTS.                                 | Normal average rain-fall of month. | Actual average in 1886. | Excess or defect in inches. | Excess or defect expressed as a percentage. |
|--------------------------------------------|------------------------------------|-------------------------|-----------------------------|---------------------------------------------|
| Western Himalayas . . . . .                | 5·52                               | 2·56                    | — 2·96                      | — 54                                        |
| Punjab Plains . . . . .                    | 2·43                               | 0·70                    | — 1·73                      | — 71                                        |
| North-Western Provinces and Oudh . . . . . | 6·42                               | 5·76                    | — 0·66                      | — 10                                        |
| Rajputana . . . . .                        | 3·82                               | 1·05                    | — 2·77                      | — 73                                        |
| Central India States . . . . .             | 6·85                               | 3·10                    | — 3·75                      | — 55                                        |
| Behar . . . . .                            | 8·06                               | 12·91                   | + 4·85                      | + 60                                        |
| Western Bengal and Chutia Nagpur . . . . . | 8·84                               | 12·49                   | + 3·65                      | + 41                                        |
| Lower Bengal . . . . .                     | 10·69                              | 14·80                   | + 4·11                      | + 38                                        |
| Eastern Himalayas . . . . .                | 20·19                              | 23·81                   | + 3·62                      | + 18                                        |
| Assam and Eastern Bengal . . . . .         | 15·69                              | 18·76                   | + 3·07                      | + 20                                        |
| Orissa and Northern Circars . . . . .      | 9·60                               | 10·99                   | + 1·39                      | + 14                                        |
| Central Provinces, South . . . . .         | 7·86                               | 4·02                    | — 3·84                      | — 49                                        |
| Berar and Khandesh . . . . .               | 7·23                               | 3·29                    | — 3·94                      | — 54                                        |
| Guzerat . . . . .                          | 6·13                               | 1·46                    | — 4·67                      | — 76                                        |
| Sind and Cutch . . . . .                   | 1·23                               | 0·06                    | — 1·17                      | — 95                                        |
| North Deccan . . . . .                     | 4·91                               | 3·48                    | — 1·43                      | — 29                                        |
| Konkan and Ghats . . . . .                 | 18·91                              | 7·81                    | — 11·10                     | — 59                                        |
| Malabar and Ghats . . . . .                | 9·17                               | 7·74                    | — 1·43                      | — 16                                        |
| Hyderabad . . . . .                        | 6·86                               | 3·59                    | — 3·27                      | — 48                                        |
| Ceded Districts and Mysore . . . . .       | 4·77                               | 5·43                    | + 0·66                      | + 14                                        |
| Carnatic . . . . .                         | 4·21                               | 4·64                    | + 0·43                      | + 10                                        |
| Neilguries . . . . .                       | 4·63                               | 7·12                    | + 2·49                      | + 54                                        |
| Ceylon . . . . .                           | 4·95                               | 7·11                    | + 2·16                      | + 44                                        |
| Arakan . . . . .                           | 18·61                              | 16·21                   | — 2·40                      | — 13                                        |
| Pegu . . . . .                             | 12·14                              | 10·81                   | — 1·33                      | — 11                                        |
| Tenasserim . . . . .                       | 27·47                              | 24·69                   | — 2·78                      | — 10                                        |
| Bay Islands . . . . .                      | 15·18                              | 12·76                   | — 2·42                      | — 16                                        |

*October.*—The meteorological conditions of the month of October were very abnormal. In the first week of the month there was a marked tendency to persistent barometric depression across the peninsula from Poona and Belgaum to Masulipatam and Vizagapatam and in the adjacent portion of the Bay. The depression from the 1st to the

5th was most prominent in the centre of the peninsula, and the cyclonic circulation accompanying it gave moderate rain during that period and until the 8th to the Deccan, Central Provinces, North Madras, Orissa, Bengal, Behar, Chutia Nagpur and the eastern districts of the North-Western Provinces. On the 7th and 8th the depression lay over that portion of the Bay in the immediate neighbourhood of the coast of Ganjam and the Circars. It intensified slightly, and gave very squally winds along the west coast, but never developed into a large cyclonic storm. Its motion was utterly different from the ordinary storms of the month in the Bay. It advanced very slowly southwards along the coast. On the 11th and 12th it lay off the coast, between Masulipatam and Madras, and on the 13th and 14th off the coast from Masulipatam to Negapatam, after which it either passed westwards or filled up and disappeared. During its existence the indraught across the Malabar coast to the southern quadrant gave frequent showers to Southern India, whilst the easterly and north-easterly winds in the northern quadrant gave moderately heavy rain to the north-west coast of the Bay, the area of heaviest rainfall advancing southwards with the southward march of the depression.

An almost complete break in the rains followed during the next two days, whilst a small storm was forming to the north-west of the Andamans. It marched in a west-north-west direction, and struck the coast between Vizagapatam and Cocanada on the 19th, advanced into the North Deccan on the 20th, and filled up on the evening of that day. It gave heavy rain to a portion of the Circars, and light to moderate rain in the North Deccan and southern districts of the Central Provinces. The disappearance of the storm was followed by fine weather for several days until the end of the month, during which some local showers were received, chiefly in Southern India, the western districts of the Central Provinces, the Berars, and South Bengal. The general tendency during this interval was for rainfall to increase slightly in Southern India, whilst it gradually diminished in South Bengal and the North Deccan, where it was practically nil at the end of the month.

In the Punjab rather heavy showers fell in the eastern and southern districts on the 6th and 7th, which gave a rainfall slightly exceeding the normal average rainfall of the month. The remainder of the month was practically rainless.

In Rajputana a few showers fell on the 3rd and 4th, and fairly general rain on the 21st and 22nd. This rainfall was somewhat unusual in character, and gave a total for the month which was from one to four inches above the normal in the southern and south-western districts.

Central India received general rain from the 1st to the 7th and light showers from the 15th to the 28th. Many of the showers, especially on the 3rd and 4th, were unusually heavy. Nowgong received 2.5 inches on the 3rd and Chandia 3.32 inches on the 4th. The total rainfall of the month was hence above the average at all stations, the excess varying from .87 inch at Agar to 5 inches at Sutna, Chandia, Sirdarpore and Sihawal, and 6 inches at Rutlam.

The North-Western Provinces and Oudh obtained a general and heavier burst of rain during the first week of the month than is usual in Upper India in October. It lasted from the 3rd to the 7th. Basti received 4.67 inches on the 3rd, Ballia 3.84 inches and Benares 3.07 inches on the 4th, Jaunpur 4.5 inches and Azamgarh 3.5 inches on the 5th, Mirzapur 2.83 inches on the 6th, and Jaunpur 2.7 inches on the 7th. The rainfall was heaviest in the more eastern districts of the North-Western Provinces, and was compara-



tively light in North Oudh and the western districts of the North-Western Provinces. The rainfall of the month was hence slightly in defect in the districts to the west of the meridian of Etawah and over the northern districts of Oudh. In the southern districts of Oudh and the eastern districts of the North-Western Provinces there was a very considerable excess, of which the following are the more striking cases:—

|                            | Total rainfall. | Average. | Excess.      |
|----------------------------|-----------------|----------|--------------|
| Ballia . . . . .           | 12'30           | 3'77     | 8'53 inches. |
| Gorakhpur . . . . .        | 9'73            | 3'01     | 6'72 „       |
| Jaunpur . . . . .          | 8'04            | 3'00     | 5'04 „       |
| Basti . . . . .            | 6'92            | 2'39     | 4'53 „       |
| Sultanpur (Oudh) . . . . . | 6'93            | 1'87     | 5'06 „       |

In Bengal, Behar, Orissa and Chutia Nagpur there was fairly general rain, which in Bengal accompanied frequent thunderstorms during the first ten days of the month. The rainfall of this period was especially heavy and general in Central and South Behar, an average of one to two inches falling daily at several stations between the 3rd and 7th. Occasional showers of comparatively little importance occurred until the 18th in Behar and in Bengal until the end of the month (with the exception of a fairly well marked break lasting from the 13th to the 20th). Orissa and Chutia Nagpur obtained fairly general rain during the first week of the month, and frequent showers during the remaining three weeks. The distribution of the rainfall of the month was hence very unusual. Behar, Chutia Nagpur and Orissa received abundant rain. At Chupra the rainfall of the month was 9'27 inches in excess, at Arrah 8'53 inches, at Hazaribagh 8'47 inches, and at Cuttack 6 inches. On the other hand there was a deficiency in nearly every district in Bengal. The deficiency was small in South-West Bengal, but increased in amount northwards and eastwards, and in North and East Bengal it generally varied from one to five inches. The following gives the more important data of the distribution of rainfall in Bengal for the month:—

| DIVISIONS.                  | Average rainfall.<br>October 1886. | Normal average.<br>October. | Variation. |
|-----------------------------|------------------------------------|-----------------------------|------------|
| Orissa . . . . .            | 7'25                               | 6'13                        | +1'12      |
| South-West Bengal . . . . . | 3'94                               | 4'48                        | —0'54      |
| East Bengal . . . . .       | 3'61                               | 5'64                        | —2'03      |
| North Bengal . . . . .      | 2'74                               | 4'89                        | —2'15      |
| North Behar . . . . .       | 5'31                               | 3'40                        | +1'91      |
| South Behar . . . . .       | 6'74                               | 3'10                        | +3'64      |
| Chutia Nagpur . . . . .     | 8'47                               | 2'72                        | +5'75      |

The rainfall of the month in Assam was considerably below the average, except at Shibsagar, Nowgong and Tezpur, where there was a slight excess. In the eastern districts the deficiency slightly exceeded 3 inches and at Silchar nearly 5 inches. Light local showers occurred at frequent intervals between the 1st and 10th, and also between the 22nd and 26th and on the 30th and 31st.

In the Central Provinces and Berars general rain fell during the first six days of the month. This was followed by an interval of fine clear dry weather lasting until the 14th,

when a period of showery weather commenced, which continued until the end of the month. Some unusually heavy showers were received during the latter period. For example, Arvi recorded 5·75 inches on the 17th, and Ellichpur 6·50 inches on the 17th and 18th. The rainfall of the month, though somewhat irregularly distributed, was very largely in excess at the great majority of the reporting stations.

The following are the more striking examples:—

| STATIONS.               |                     | Total rainfall,<br>October 1886. | Normal rainfall,<br>October. | Excess. |
|-------------------------|---------------------|----------------------------------|------------------------------|---------|
| Central Pro-<br>vinces. | Arvi . . . . .      | 14'59                            | 2'35                         | 12'24   |
|                         | Damoh . . . . .     | 10'28                            | 1'62                         | 8'66    |
|                         | Raipur . . . . .    | 9'70                             | 2'22                         | 7'48    |
|                         | Nagpur . . . . .    | 9'65                             | 2'26                         | 7'39    |
| Berars . . .            | Ellichpur . . . . . | 11'30                            | 2'29                         | 9'01    |
|                         | Yeotmal . . . . .   | 11'34                            | 2'58                         | 8'76    |

Hyderabad received as abundant a supply as the Central Provinces. Frequent showers occurred during the first eleven days. This was followed by a heavy general burst of rainfall, which lasted until the 16th, an average of over an inch falling on each day. From the 18th to the 28th frequent showers fell, but rain ceased on the evening of the day, and dry weather with clear skies prevailed on the three last days of the month. The excess varied from '58 inch at Ibrahimpatan to 7·82 inches at Bheer, and averaged 3'72 inches.

In the Bombay, Deccan, and the Malabar coast districts, the rainfall of the month occurred under similar conditions, and during the same periods as in Hyderabad, and some unusually heavy falls were registered. In the Konkan and Guzerat districts, heavy showers fell during the first week of the month, and occasional light showers between the 14th and 25th. The month was practically rainless in Sind. The total rainfall of the month was in excess in all districts except Sind and Cutch. The excess was on the whole greatest in the Deccan districts, the following being the most notable examples:—

| STATIONS.            | Total.           | Average.         | Excess.          |
|----------------------|------------------|------------------|------------------|
| Baura . . . . .      | Inches.<br>22'21 | Inches.<br>11'07 | Inches.<br>11'14 |
| Igatpuri . . . . .   | 13'08            | 4'91             | 8'17             |
| Poona . . . . .      | 11'86            | 4'12             | 7'74             |
| Ahmednagar . . . . . | 10'33            | 3'29             | 7'04             |
| Vingurla . . . . .   | 11'98            | 4'40             | 7'58             |
| Tanna . . . . .      | 10'72            | 3'35             | 7'37             |
| Matheran . . . . .   | 12'63            | 5'30             | 7'33             |

In Madras the rainfall during the first half of the month was given chiefly to the northern districts, including Ganjam, the Circars and the Kurnool district. The rainfall

was exceptionally heavy and continuous in the Northern Circars and Ganjam. Vizagapatam received 5·9 inches on the 15th, Ganjam 6 inches on the 11th, Ongole 4·7 inches on the 10th, Gopalpur 3·85 inches on the 11th, Bimlipatam 5·3 inches on the 18th, and Kurnool 3·62 inches on the 10th. During this period occasional showers were received in the southern districts, the total amounts diminishing southwards. The Madura, Tinnevely, Coimbatore, and Trichinopoly districts obtained not more than three to five-tenths of an inch during the whole period. The conditions changed during the third week of the month, and the north-easterly winds from the Bay chiefly discharged rain in the southern districts. The rainfall during the latter half of the month was however much less copious than during the first fortnight. In consequence of this unequal distribution, the rainfall was very largely in excess in the northern districts, and was more or less in defect over the whole of the southern districts. The following shows the marked contrast between the rainfall of the northern and southern districts:—

| Stations in Northern Districts. | Excess inches. | Stations in Southern Districts. | Defect inches. |
|---------------------------------|----------------|---------------------------------|----------------|
| Vizagapatam . . . .             | 18·71          | Trichinopoly . . . .            | 4·34           |
| Ganjam . . . . .                | 11·65          | Coimbatore . . . . .            | 4·32           |
| Ongole . . . . .                | 11·39          | Dindigul . . . . .              | 4·63           |
| Gopalpur . . . . .              | 11·29          | Madura . . . . .                | 3·99           |
| Cocanada . . . . .              | 10·23          |                                 |                |
| Bimlipatam . . . . .            | 10·22          |                                 |                |
| Rajahmundry . . . . .           | 10·06          |                                 |                |

Mysore and Coorg obtained rain during the same periods as the southern districts of Madras, and the total rainfall of the month was in defect by moderate amounts at all stations except Mercara, where it was 3·94 inches in excess.

Burma received more or less frequent showers during the month. The only period of heavy and general rain was on the 19th and 20th, when exceptionally heavy rain was received at many stations, the following being the more remarkable amounts:—

|                    |                          |
|--------------------|--------------------------|
| Kyaukpyu . . . . . | 9·38 inches on the 19th. |
| Rangoon . . . . .  | 5·26   "   "   "         |
| Moulmein . . . . . | 5·78   "   "   "         |
| Sandoway . . . . . | 7·74   "   "   20th.     |
| Akyab . . . . .    | 6·48   "   "   "         |

In Tenasserim rain fell on every day of the month except the 23rd and 26th. The total rainfall of the month was considerably in excess at those stations in Burma and Tenasserim, which received heavy rain on the 19th or 20th, and at Tavoy. It was in defect by small amounts at the remaining stations.

In Ceylon, the rainfall of the month was in defect as in the southern districts of Madras. The deficiency was largest in the north coast districts.

The following table summarizes the chief features of the rainfall of the month :—

| DISTRICTS.                                 | Normal average<br>rainfall of<br>month. | Actual average<br>in 1886. | Excess or defect<br>in inches. | Excess or defect<br>expressed as a<br>percentage. |
|--------------------------------------------|-----------------------------------------|----------------------------|--------------------------------|---------------------------------------------------|
| Western Himalayas . . . . .                | 1'06                                    | 1'39                       | + 0'33                         | + 31                                              |
| Punjab Plains . . . . .                    | 0'42                                    | 0'89                       | + 0'47                         | + 112                                             |
| North-Western Provinces and Oudh . . . . . | 1'40                                    | 2'74                       | + 1'34                         | + 96                                              |
| Rajputana . . . . .                        | 0'40                                    | 0'77                       | + 0'37                         | + 93                                              |
| Central India States . . . . .             | 1'53                                    | 5'60                       | + 4'07                         | + 266                                             |
| Behar . . . . .                            | 3'18                                    | 7'08                       | + 3'90                         | + 123                                             |
| Western Bengal & Chutia Nagpur . . . . .   | 3'36                                    | 6'36                       | + 3'00                         | + 89                                              |
| Lower Bengal . . . . .                     | 4'79                                    | 3'59                       | — 1'20                         | — 25                                              |
| Eastern Himalayas . . . . .                | 5'93                                    | 2'72                       | — 3'21                         | — 54                                              |
| Assam and Eastern Bengal . . . . .         | 5'79                                    | 3'73                       | — 2'06                         | — 36                                              |
| Orissa and Northern Circars . . . . .      | 6'06                                    | 10'30                      | + 4'24                         | + 70                                              |
| Central Provinces, South . . . . .         | 2'10                                    | 5'18                       | + 3'08                         | + 147                                             |
| Berar and Khandesh . . . . .               | 2'72                                    | 7'58                       | + 4'86                         | + 179                                             |
| Guzerat . . . . .                          | 0'97                                    | 2'41                       | + 1'44                         | + 148                                             |
| Sind and Cutch . . . . .                   | 0'23                                    | 0'01                       | — 0'22                         | — 96                                              |
| North Deccan . . . . .                     | 4'83                                    | 8'80                       | + 3'97                         | + 82                                              |
| Konkan and Ghats . . . . .                 | 4'89                                    | 10'22                      | + 5'33                         | + 109                                             |
| Malabar and Ghats . . . . .                | 8'06                                    | 8'89                       | + 0'83                         | + 10                                              |
| Hyderabad . . . . .                        | 3'40                                    | 7'12                       | + 3'72                         | + 109                                             |
| Ceded Districts and Mysore . . . . .       | 5'75                                    | 6'01                       | + 0'26                         | + 5                                               |
| Carnatic . . . . .                         | 7'44                                    | 6'85                       | — 0'59                         | — 8                                               |
| Neilgries . . . . .                        | 9'83                                    | 8'45                       | — 1'38                         | — 14                                              |
| Ceylon . . . . .                           | 9'74                                    | 7'90                       | — 1'84                         | — 19                                              |
| Arakan . . . . .                           | 8'85                                    | 9'03                       | + 0'18                         | + 2                                               |
| Pegu . . . . .                             | 6'64                                    | 5'80                       | — 0'84                         | — 13                                              |
| Tenasserim . . . . .                       | 10'57                                   | 12'38                      | + 1'81                         | + 17                                              |
| Bay Islands . . . . .                      | 12'60                                   | 12'50                      | — 0'10                         | — 1                                               |

*November.*—The north-east monsoon was fully established during the preceding month. The recurved south-west monsoon current was feebler than in October, and gave much less than the normal amount of rain to Southern India. A large portion of the rainfall occurred during the existence of two cyclonic storms which formed in the Bay and advanced in a west-north-west direction. The first struck the coast a little to the north of Madras on the 9th, crossed the Peninsula, and passed into the Arabian Sea on the evening of the 10th. It advanced by a curved path across the Arabian Sea to the Beluchistan coast, which it reached on the morning of the 16th. It gave general rain to the greater part of Southern India and the Deccan on the 9th, 10th and 11th, and also a few light showers in Sind and Guzerat on the 16th, when approaching and crossing the Beluchistan coast.

The second was a very small but fierce and concentrated storm which reached the coast of the Circars on the evening of the 23rd near and to the north of Cocanada. It gave a very heavy burst of rain to the coast districts between Gopalpur and Cocanada, but broke up shortly after reaching the coast. There was subsequent slight general disturbance in Orissa, Chutia Nagpur and Behar, and the eastern districts of the Central Provinces, lasting from the 24th to the 26th.

No rain, with the exception of one or two light local showers of absolutely no importance, was received during the month in the Punjab, Rajputana, Central India, the North-Western Provinces and Oudh.

In Bengal, some showers fell during the generation of the first storm in East Bengal on the 8th, 9th and 10th, and, after its passage across the Deccan, in North Bengal from the 13th to the 15th. Orissa received light showers on the 8th, 9th and 10th during the passage of the Madras storm across the Bay and the Deccan, and also on the 23rd and 24th, during and after the approach of the Cocanada storm to the coast. Showers fell in Chutia Nagpur on the 25th and 26th, and in Behar on the 25th. The rainfall of the month was from one to two inches in excess over the greater part of Orissa. It was very slightly in excess in Chutia Nagpur and in South Behar. It was below the average in all other districts. It was only in the south-eastern districts of Comillah, Noakhally, Chittagong and Burrisal that the defect exceeded one inch (by small amounts).

The eastern districts of the Central Provinces shared in the rainfall which followed the breaking-up of the Cocanada storm, and received an average of one inch on the 24th and 25th, three quarters of an inch above the average. No rain fell in the western districts or in the Berars.

In Hyderabad rain fell on the 9th and 10th, but the total was considerably less than the average of the month.

In Bombay, the Deccan districts received moderate rain on the 10th and 11th during the passage of the first cyclonic storm of the month across the Peninsula, and Sind light showers on the 16th and 17th. The total rainfall was below the average by small amounts, varying from one to nine-tenths, except locally at Lanauli, Poona, Mahableshwar, and in Sind, where the rainfall of the month was in excess to a small extent.

In Madras normal conditions prevailed during the first few days of the month. Moderately heavy rain fell on every day in all the districts to the south of Cuddapah (or of lat.  $15^{\circ}$  N). For example, 11.5 inches fell at Negapatam during the period from the 1st to the 5th, 11.1 inches at Tranquebar, 5.6 inches at Madras, 2.3 inches at Coimbatore, 1.95 inches at Tinnevely, .5 inch at Madura, and .3 inch at Salem. The rainfall at this time was hence heavy in the coast districts, and rapidly decreased from the coast into the interior. Little rain fell on the 7th or 8th, but the advance of the first storm of the month gave moderate general rain over the Presidency, and heavy rain at stations on and to the north of its line of march. The following amounts exceeding three inches were recorded during the storm:—

|                   | Rainfall on<br>the 9th. |                  | Rainfall on<br>the 9th. |
|-------------------|-------------------------|------------------|-------------------------|
| Tada . . .        | 5.35 Inches.            | Kolar . . .      | 3.96 Inches.            |
| Madanapalle . . . | 4.70 "                  | Tumkur . . .     | 5.41 "                  |
| Chandragiri . . . | 5.10 "                  | Chitaldrug . . . | 3.90 "                  |
| Hosur . . .       | 3.60 "                  |                  |                         |

From the 12th to the 22nd was almost rainless. A few local showers fell, but they were of little or no importance. The second storm crossed the coast of the Circars on the 23rd, and gave a brief but heavy burst of rainfall to the districts of the Northern Circars and Ganjam on the 23rd, 24th and 25th. The following are the reported total falls during the storm exceeding four inches :—

|                     | Inches. |                  | Inches. |
|---------------------|---------|------------------|---------|
| Vizianagram . . . . | 8.20    | Gopalpur . . . . | 6.16    |
| Vizagapatam . . . . | 6.50    | Ganjam . . . .   | 4.90    |
| Bimlipatam . . . .  | 6.35    |                  |         |

Occasional light showers fell during the remainder of the month in Southern India.

The rainfall of the month was very unequally distributed in Madras. There was a large local excess in the districts of Ganjam and the Circars or to the north of Cocanada. The excess was greatest at Vizianagram (9.1 inches). It was 7.58 inches at Vizagapatam, 6.21 inches at Bimlipatam, and 4.83 inches at Ganjam. But over the remainder of the Madras Presidency there was a considerable and general deficiency, which varied very largely in amount. In the Madura, Tinnevely, Salem, Madras and Arcot districts it averaged 3 inches. It was 9.51 inches at Saidapet, 6.17 inches at Nellore, 4.3 inches at Conjeveram, and decreased rapidly in amount into the interior, but less rapidly proportionately. There was a very slight excess in the Bellary district. In Mysore and Coorg the rainfall was  $1\frac{1}{2}$  inches above the normal.

In Burma frequent showers fell until the 11th, when rain ceased to fall. The variations were irregular, but on the whole slightly more than the normal amount was received.

In Ceylon the deficiency was even more marked than in Southern India. At Colombo, it amounted to 6.26 inches, at Kandy to 4.9 inches, at Galle to 2.84 inches, and at Trincomalee to 1.39 inches.

The following table summarizes the chief features of the rainfall of the month :—

| DISTRICTS.                                 | Normal average rainfall of month. | Actual average in 1886. | Excess or defect in inches. | Excess or defect expressed as a percentage. |
|--------------------------------------------|-----------------------------------|-------------------------|-----------------------------|---------------------------------------------|
| Western Himalayas . . . . .                | 0.69                              | 0.18                    | — 0.51                      | — 74                                        |
| Punjab Plains . . . . .                    | 0.22                              | 0.13                    | — 0.09                      | — 41                                        |
| North-Western Provinces and Oudh . . . . . | 0.10                              | 0.02                    | — 0.08                      | — 80                                        |
| Rajputana . . . . .                        | 0.05                              | 0.02                    | — 0.03                      | — 60                                        |
| Central India States . . . . .             | 0.24                              | 0.06                    | — 0.18                      | — 75                                        |
| Behar . . . . .                            | 0.18                              | 0.18                    | 0                           | 0                                           |
| Western Bengal and Chutia Nagpur . . . . . | 0.49                              | 0.61                    | + 0.12                      | + 24                                        |
| Lower Bengal . . . . .                     | 0.40                              | 0.12                    | — 0.28                      | — 70                                        |
| Eastern Himalayas . . . . .                | 0.20                              | 0.67                    | + 0.47                      | + 235                                       |
| Assam and Eastern Bengal . . . . .         | 0.90                              | 0.06                    | — 0.84                      | — 93                                        |
| Orissa and Northern Circars . . . . .      | 1.78                              | 3.27                    | + 1.49                      | + 84                                        |
| Central Provinces, South . . . . .         | 0.43                              | 0.48                    | + 0.05                      | + 12                                        |
| Berar and Khandesh . . . . .               | 0.52                              | 0.03                    | — 0.49                      | — 94                                        |
| Guzerat . . . . .                          | 0.14                              | 0.03                    | — 0.11                      | — 79                                        |
| Sind and Cutch . . . . .                   | 0.05                              | 0.16                    | + 0.11                      | + 220                                       |

| DISTRICTS.                           | Normal average<br>rainfall of<br>month. | Actual average<br>in 1886. | Excess or defect<br>in inches. | Excess or defect<br>expressed as a<br>percentage. |
|--------------------------------------|-----------------------------------------|----------------------------|--------------------------------|---------------------------------------------------|
| North Deccan . . . . .               | 1'02                                    | 0'57                       | —0'45                          | — 44                                              |
| Konkan and Ghâts . . . . .           | 0'69                                    | 0'72                       | + 0'03                         | + 4                                               |
| Malabar and Ghâts . . . . .          | 3'13                                    | 3'37                       | + 0'24                         | + 8                                               |
| Hyderabad . . . . .                  | 0'95                                    | 0'46                       | —0'49                          | — 52                                              |
| Ceded Districts and Mysore . . . . . | 2'03                                    | 2'61                       | + 0'58                         | + 29                                              |
| Carnatic . . . . .                   | 7'61                                    | 4'72                       | —2'89                          | — 38                                              |
| Neilguries . . . . .                 | 8'52                                    | 4'21                       | —4'31                          | — 51                                              |
| Ceylon . . . . .                     | 11'82                                   | 8'63                       | —3'19                          | — 27                                              |
| Arakan . . . . .                     | 2'69                                    | 2'01                       | —0'68                          | — 25                                              |
| Pegu . . . . .                       | 3'40                                    | 4'24                       | + 0'84                         | + 25                                              |
| Tenasserim . . . . .                 | 2'30                                    | 1'24                       | —1'06                          | — 46                                              |
| Bay Islands . . . . .                | 11'12                                   | 22'64                      | + 11'52                        | + 104                                             |

*December.*—The chief feature in the meteorology of the month was the formation of a small storm to the west of the Nicobars. It broke up as a cyclonic disturbance shortly after crossing the Madras coast. Its disintegration was, as is not unfrequently the case after cyclonic storms in India, attended by general slight disturbance throughout Central and Northern India. The subsequent general disturbance gave 72 hours' rainfall to the Central Provinces on the 10th, 11th and 12th, 48 hours' rain to Central India on the 10th and 11th, to the North-Western Provinces on the 11th and 12th, and to Bengal and Assam on the 12th and 13th.

In the Punjab the general suspension of rainfall which commenced on the 8th of October lasted until the 22nd of December, when the skies clouded over. Showers occurred somewhat irregularly from that day to the 27th in the plains and to the 29th in the hills, in all districts except Hissar, Sirsa and Gurgaon. The average fall in the plains was however less than half an inch, and the rainfall was in defect except in one or two of the more northerly districts, including Rawalpindi, Jhelum, Gurdaspur and Julundur.

Rajputana was rainless throughout the month.

Central India received some heavy showers on the 10th and 11th, and the total amount received was in excess of the average.

In the North-Western Provinces, showers in some cases unusually heavy fell on the 11th and 12th in the eastern and central districts. Banda received 2'45 inches on the 11th, Lalitpur 2'34 inches, and Allahabad 2'15 inches. In the hill districts rain or snow fell during the period of disturbance which gave showers in the Punjab, *viz.*, from the 23rd to the 27th. The rainfall of the month was below the normal in the western districts and Oudh, but was above the average in the central and eastern districts, the excess varying from '3 inch in the Jhansi district to 2 inches in the Allahabad, Banda and Lalitpur districts.

Bengal and Assam obtained a few light showers on the 12th and 13th, but not sufficient to give a total equal to the ordinary small rainfall of the month, except at one

or two stations in South Orissa, which received moderate rain on the breaking up of the Madras storm.

Some exceptionally heavy showers were received in the north and north-west districts of the Central Provinces on the 10th, 11th and 12th, and light showers in the other districts. At Khandwa 3·77 inches were registered on the 11th and at Saugor 2·91 inches. The total rainfall of the month was considerably in excess in the area of heavy rainfall on the 11th, but elsewhere it was below it by one to three-tenths of an inch.

In Hyderabad moderate showers fell during and after the dispersion of the Madras storm, or from the 10th to the 13th, but the total amounts were slightly less than the average rainfall.

Burma was practically rainless throughout the month. Frequent heavy showers fell at Nancowry between the 2nd and the 9th, and at Port Blair from the 6th to the 9th, during the formation and existence of the Madras storm.

In Madras there were frequent showers in all the districts south of Nellore and Ongole (with the exception of Cochin and Travancore) from the 1st to the 5th or 6th. The 7th and 8th were rainless, but the storm which formed on the 6th to the west of the Nicobars, and advanced across the south of the Bay on the 7th and 8th, gave a moderate supply of rain to the whole Presidency with the exception of the Madura and Tinnevely districts. The largest amounts were recorded on the Ganjam coast at a very considerable distance from the centre. The only falls exceeding two inches registered during the storm in Madras were—Ganjam 2·7 inches and Aska 2·8 inches on the 9th, and Gopalpur 3·85 inches on the 10th. The rainfall of the month was below the average in all districts except the coast districts of Ganjam and the Circars. The deficiency was largest on the Coromandel coast at Negapatam (5·92 inches), and over the Madura, Tanjore, Trichinopoly, Madras and Arcot districts in which it ranged between 2 and 3 inches.

In Bombay, no rain fell in Sind, Guzerat and the Konkan. The coast districts and the Deccan districts from Dhulia and Nasik southwards received rain during and after the breaking up of the cyclonic storm of the month and some very heavy local rainfalls were registered. 6·23 inches were recorded at Ahmednagar on the 12th and 3·84 inches at Sholapur. Over these districts the rainfall of the month was hence in excess by very variable amounts, greatest at Ahmednagar (+7·04 inches) and Sholapur (+3·65 inches). The following table shews the general distribution of the rainfall of the month:—

| DISTRICTS.                                 | Normal<br>average rain-<br>fall of month. | Actual<br>average in<br>1886. | Excess or<br>defect in<br>inches. | Excess or defect<br>expressed<br>as a<br>percentage. |
|--------------------------------------------|-------------------------------------------|-------------------------------|-----------------------------------|------------------------------------------------------|
| Western Himalayas . . . . .                | 1'37                                      | 1'39                          | +0'02                             | +1                                                   |
| Punjab Plains . . . . .                    | 0'60                                      | 0'48                          | —0'12                             | —20                                                  |
| North-Western Provinces and Oudh . . . . . | 0'33                                      | 0'54                          | +0'21                             | +64                                                  |
| Rajputana . . . . .                        | 0'18                                      | ...                           | —1'18                             | —100                                                 |
| Central India States . . . . .             | 0'52                                      | 1'11                          | +0'59                             | +113                                                 |
| Behar . . . . .                            | 0'16                                      | 0'30                          | +0'14                             | +88                                                  |
| Western Bengal and Chutia Nagpur . . . . . | 0'42                                      | 0'08                          | —0'34                             | —81                                                  |
| Lower Bengal . . . . .                     | 0'22                                      | 0'04                          | —0'18                             | —82                                                  |



| DISTRICTS.                            | Normal<br>average rain-<br>fall of month. | Actual<br>average in<br>1886. | Excess or<br>defect in<br>inches. | Excess or defect<br>expressed<br>as a<br>percentage. |
|---------------------------------------|-------------------------------------------|-------------------------------|-----------------------------------|------------------------------------------------------|
| Eastern Himalayas . . . . .           | 0'26                                      | 0'29                          | +0'03                             | +12                                                  |
| Assam and Eastern Bengal . . . . .    | 0'44                                      | 0'41                          | -0'03                             | -7                                                   |
| Orissa and Northern Circars . . . . . | 0'72                                      | 1'64                          | +0'92                             | +128                                                 |
| Central Provinces, South . . . . .    | 0'43                                      | 0'28                          | -0'15                             | -35                                                  |
| Berar and Khandesh . . . . .          | 0'75                                      | 1'13                          | +0'38                             | +51                                                  |
| Guzerat . . . . .                     | 0'06                                      | 0'01                          | -0'05                             | -83                                                  |
| Sind and Cutch . . . . .              | 0'08                                      | ...                           | -0'08                             | -100                                                 |
| North Deccan . . . . .                | 0'47                                      | 1'64                          | +1'17                             | +249                                                 |
| Konkan and Ghâts . . . . .            | 0'25                                      | 0'22                          | -0'03                             | -12                                                  |
| Malabar and Ghâts . . . . .           | 0'98                                      | 0'29                          | -0'69                             | -70                                                  |
| Hyderabad . . . . .                   | 0'66                                      | 0'49                          | -0'17                             | -26                                                  |
| Ceded Districts and Mysore . . . . .  | 0'55                                      | 0'55                          | 0                                 | 0                                                    |
| Carnatic . . . . .                    | 3'30                                      | 1'68                          | -1'62                             | -49                                                  |
| Neilgeries . . . . .                  | 4'12                                      | 1'35                          | -2'77                             | -67                                                  |
| Ceylon . . . . .                      | 8'55                                      | 6'04                          | -2'51                             | -29                                                  |
| Arakan . . . . .                      | 0'55                                      | 0'23                          | -0'32                             | -58                                                  |
| Pegu . . . . .                        | 0'27                                      | ...                           | -0'27                             | -100                                                 |
| Tenasserim . . . . .                  | 0'20                                      | ...                           | -0'20                             | -100                                                 |
| Bay Islands . . . . .                 | 8'61                                      | 5'22                          | -3'39                             | -39                                                  |

The rainfall of the year 1886 was characterized by several very striking features. The cold-weather rains from January to April were above their usual amount in the Punjab, the North-Western Provinces and Oudh, but they were more fitful than is generally the case. They were slightly more abundant than usual in January, but February was an abnormally dry month in the plains and a mild and warm one in the hills. March was opposite in character to February. The weather was harsh and cold in the hills and much snow fell, more especially in the Northern Himalayas, and more frequent and larger amounts of rain fell in Upper India than is generally the case. Opposite conditions again prevailed in April, and the weather was dry and hotter than usual. Hence, although slightly more than the normal amount of rain was received in Upper India during the pre-monsoon period, the alternations of dry and damp showery weather were of long period and sharply marked.

During the same period the cold-weather rains were steadily lighter than usual in Behar, Assam, the Central Provinces, and Berars, and the season was unusually dry. Bengal received some heavy thunder showers in March, which more than compensated for the deficient rainfall in January, February and April, but in that province the chief features of the cold-weather were undoubtedly unusual dryness of the air and the absence of cold-weather storms.

The rainfall in Southern and Western India (*i.e.*, Bombay, Madras, Mysore and Hyderabad) is always small in amount during this period of the year. But in these provinces the rainfall was smaller in amount than usual, and steadily below the average during each month.

Hence the period January to April was drier than usual throughout the whole period in every part of India except the Punjab and North-Western Provinces. In these latter districts the normal amount was received, but it fell more fitfully and less regularly than usual, two very dry months alternating with two slightly damper months than usual.

May is eminently a month of transition. It is the month of greatest solar action on the lower atmosphere in India. It generally initiates that gradual change over the equatorial belt which accompanies the establishment of continuous decreasing barometric pressure or baric gradients from the southern limits of the south-east trades to Northern India, and which is followed by that massive change known as the setting in of the south-west monsoon. May 1886 was marked by more rapid increase of temperature than usual in the interior of India, and the absolutely highest temperatures of the year were recorded in Central Rajputana on the 25th of May—a fortnight or three weeks earlier than usual. Also the maximum temperature of the year at this date in Upper India was slightly greater than has occurred for years (probably since 1875, if the records may be relied upon for this point). This larger heating action caused, so far as can be judged, a more rapid interchange of air between the heated interior and the sea area in the immediate neighbourhood. This interchange is frequently accompanied with much local disturbance, especially in the districts of Bengal and Orissa, near the head of the Bay, and to a less extent in Behar and the interior. These disturbances manifest themselves chiefly as thunderstorms or duststorms. As might be expected, they were unusually numerous in May 1886, and the rainfall of the month was large, and considerably above the average over nearly the whole of Bengal and Orissa, and to a less extent in the North-Western Provinces, Oudh and the Central Provinces. The month was however drier than usual in the Punjab, Rajputana and Central India. The rainfall of May in Western and Southern India was also above the average. This was partly due to the same cause that acted in the abovementioned districts of increased rainfall in May, and partly from the earlier commencement of the south-west monsoon rain in Ceylon and the extreme south of India. That area received fairly general, moderate and continuous rainfall from the 17th of May to the end of the month, and an exceptionally heavy downpour on the 23rd, 24th, 25th and 26th.

The south-west monsoon rains were established over the whole of India before the end of the third week of June. They were ushered in over Northern India by a storm which formed near the head of the Bay in front of a violent uprush of humid winds in the Bay, and drifted to the west-north-west across North Orissa, Chutia Nagpur, Bundelkund, and the eastern districts of Rajputana into the Punjab, where it finally disappeared, and broke up after an existence of at least ten days. The first general burst of strong winds and heavy rain along the west coast, as far north as Surat, commenced on the 10th. This influx of humid winds gave the first important rainfall of the season to the Central Provinces and Central India. During the remainder of the monsoon period the character of the rainfall, and the area of its distribution, depended mainly upon the relative strengths of the two currents. The Bombay current was strong during the latter half of June, and the whole of July. The Bengal current was somewhat more vigorous than

usual. The rainfall of the months of June and July was hence almost universally above the average in the Punjab, North-Western Provinces, Bengal, Assam, the Berars, the greater part of Rajputana and Central India, Bombay, Hyderabad, and Southern India generally. The Central Provinces was the only large area in which there was a general deficiency. It was not large in amount, but was conspicuous by contrast with the excessive rainfall in all other parts of India. There were also two or three areas in which the rainfall, when compared with that of neighbouring districts, was relatively excessive, they formed in fact meteorological areas of abnormal conditions, which determined an unusually large influx and condensation of aqueous vapour, and which hence had persistent heavy rainfall. The chief of these was Behar, over the whole of which the rainfall of the months of June and July was from thirty to one hundred per cent. in excess of the normal. This was not due to excessive rainfall accompanying the passage of a storm, but to more frequent and persistent rainfall than usual throughout the whole period. The second was Hyderabad, and the adjacent coast districts of the Bay of Bengal including the Circars. The rainfall in this area was proportionately to the average rainfall of the period far more largely in excess than in any other part of Southern India (*i.e.*, the peninsula).

The meteorological conditions changed considerably at the end of July. The Bombay current decreased greatly in strength, and was extremely feeble for upwards of a week, and rain practically ceased in Western India. It increased again on the 10th and 11th of August, but was comparatively weak throughout the remainder of the month. The decrease in the strength and body of the current was, as might have been expected, greatest in the northern portion, or that which crosses the Sind, Guzerat, and Bombay coasts. The Bengal current continued to blow steadily throughout August. The distribution of rainfall was the natural and evident result of these conditions. The rainfall of the month was considerably in defect throughout the whole of the Punjab, the greater part of Rajputana, Central India, the Central Provinces and the western districts of the Berars, the greater part of Bombay (more especially in the districts lying to the east of the Ghâts). It was in excess over Bengal, Behar, Assam, the North-Western Provinces, Hyderabad, and generally in the Madras Presidency. The deficiency was, on the whole, most pronounced in the Central Provinces. Also as in the previous two months, Behar, Hyderabad, and the Circars continued to receive abnormally excessive rain. The western districts of the North-Western Provinces (Bulandshahr, Budaon, Moradabad and Shajahanpur), and the hill and adjacent plains districts of North Bengal, the Garo and Khasia hills and Silchar formed two other local centres of unusually heavy precipitation during the month, but they were not permanent like the preceding two.

The conditions established in August became more pronounced in September. The Bombay current became gradually but steadily feebler, and after the first week of the month was in the northern half of its extension almost confined to the coast districts; whilst in the southern half it was much weaker than usual, and brought up smaller supplies of aqueous vapour for condensation. The Bengal current was not quite so strong as usual, but continued to blow with great steadiness. Rain hence ceased to fall in the Punjab, the western districts of Rajputana, Central India, and the Central Provinces after the 5th and 6th of September, and the remainder of the month was unusually dry and very unseasonable. The rainfall of the month was very largely in

defect in the Punjab, Rajputana, Central India, Central Provinces, the Berars, the Bombay Presidency, and to a less extent in Hyderabad, Mysore and Coorg and in Madras, and also in the western half of the North-Western Provinces. It was above the average in Bengal, Behar, Chutia Nagpur, the eastern half of the North-Western Provinces, and in the most southern districts of India (including Tinnevely, Madura, Trichinopoly and Tanjore) and Ceylon. The greater part of Behar received abnormally excessive rainfall, some stations (as for example Bhagalpur, Monghyr, Gya, &c.,) obtaining from two to four times the normal rainfall of the month. Northern Bengal formed again as in the month of August a local centre of heavy rainfall, and was in this respect only less prominent than Behar. The rainfall of the next two months was almost entirely due to the Bay of Bengal moist winds. A succession of depressions formed which moved in varying directions according to the conditions of the period. Two at least of these which were generated in October and one in November passed into the Central Provinces, and the general disturbance accompanying them gave cloud and rain over a very large portion of India, and in districts at very considerable distances from the centre of the depression. The two depressions of November have been fully described, and it is only necessary to state here that they were very deep depressions as compared with those of October, and occasioned very dangerous and stormy weather in the Bay. A smaller depression formed quite in the south of the Bay in the first week of December, which passed across the coast to the south of Madras into the Trichinopoly, Tanjore and Coimbatore districts. The effect of these storms, more especially the two of November and that of December, was to interrupt the regular flow of the north-east winds (the reverted south-west winds passed into the Bay chiefly through the eastern half of its entrance), and to discharge the rainfall mainly over and near the tracks of their centres. These considerations, it will be seen, serve to explain generally the rainfall of the months of October, November, and December. The total rainfall of the whole period was very small in amount in the Punjab, Rajputana, and North-Western Provinces, and was almost universally in defect. It was very considerably above the average in Behar and Chutia Nagpur in October, and in excess to a small extent in November and December (months of very slight rainfall in these divisions). It was below the average in all these months to a moderate amount in Bengal and Assam, but the rainfall of October was timely and well distributed. There was a large excess for the month of October in Central India, the Central Provinces, the Berars, Hyderabad, the greater part of Bombay (more especially the Deccan districts), and the northern districts of Madras, including Ganjam and the Circars. During the last two months the rainfall was below the average in all these districts excepting Ganjam and the Circars. The deficiency was, on the whole, largest, and most prejudicial in Southern India (more especially the more southern districts of Madras). The deficiency was least in Hyderabad. Amongst the more remarkable features of the rainfall of the year were hence the following, which it would be extremely desirable to explain, and to connect with the abnormal variations of the other remaining elements of meteorological investigation:—

1st.—The unusual dryness of the months January to April.

2nd.—The weakness of the Bombay current in August and September.

3rd.—The excessive rainfall in Behar during every month of the rains from June to October.

4th.—The deficient rainfall in the Central Provinces during the whole period of the Bombay monsoon.

5th.—The excessive rainfall in Hyderabad, the Circars and Ganjam.

A brief discussion on these features will be found in the concluding remarks.

TABLE XXX.—*Geographical summary of rainfall anomalies in 1886.*

|       | RAINFALL PROVINCES.               | Area : square miles. | Number of Stations. | Average rainfall. | Mean 1886. | Mean excess or defect. | Total excess : square miles $\times$ one inch. | Total defect : square miles $\times$ one inch. |
|-------|-----------------------------------|----------------------|---------------------|-------------------|------------|------------------------|------------------------------------------------|------------------------------------------------|
| I     | Punjab Plains . . . . .           | 120,000              | 29                  | 21'63             | 24'31      | + 2'68                 | 321,600                                        | ...                                            |
| II    | North-Western Provinces and Oudh. | 83,500               | 45                  | 36'59             | 42'05      | + 5'46                 | 455,910                                        | ...                                            |
| III   | Rajputana . . . . .               | 67,000               | 19                  | 28'23             | 26'64      | — 1'59                 | ...                                            | 106,530                                        |
| IV    | Central India States . . .        | 91,000               | 20                  | 41'67             | 38'82      | — 2'85                 | ...                                            | 259,350                                        |
| V     | Behar . . . . .                   | 30,000               | 15                  | 47'45             | 63'88      | + 16'43                | 492,900                                        | ...                                            |
| VI    | Western Bengal . . . . .          | 38,000               | 10                  | 49'21             | 54'06      | + 4'85                 | 184,300                                        | ...                                            |
| VII   | Lower Bengal . . . . .            | 54,000               | 27                  | 67'03             | 69'64      | + 2'61                 | 140,940                                        | ...                                            |
| VIII  | Assam and Cachar . . . . .        | 61,000               | 16                  | 106'27            | 109'51     | + 3'24                 | 197,640                                        | ...                                            |
| IX    | Orissa and Northern Circars .     | 27,000               | 16                  | 48'15             | 65'68      | + 17'53                | 473,310                                        | ...                                            |
| X     | Central Provinces, South . .      | 61,000               | 18                  | 50'90             | 43'22      | — 7'68                 | ...                                            | 468,480                                        |
| XI    | Berar and Khandesh . . . .        | 43,000               | 13                  | 35'57             | 43'09      | + 7'52                 | 323,360                                        | ...                                            |
| XII   | Guzerat . . . . .                 | 54,500               | 13                  | 33'71             | 37'90      | + 4'19                 | 228,355                                        | ...                                            |
| XIII  | Sind and Cutch . . . . .          | 68,000               | 10                  | 8'73              | 7'95       | — 0'78                 | ...                                            | 53,040                                         |
| XIV   | North Deccan . . . . .            | 48,000               | 13                  | 30'00             | 33'59      | + 3'59                 | 172,320                                        | ...                                            |
| XV    | Konkan and Ghâts . . . . .        | 16,000               | 12                  | 146'41            | 157'39     | + 10'98                | 175,680                                        | ...                                            |
| XVI   | Malabar and Ghâts . . . . .       | 18,000               | 8                   | 113'42            | 98'87      | — 14'55                | ...                                            | 261,900                                        |
| XVII  | Hyderabad . . . . .               | 74,000               | 17                  | 32'71             | 41'33      | + 8'62                 | 637,880                                        | ...                                            |
| XVIII | Mysore and Bellary . . . . .      | 58,000               | 18                  | 29'30             | 35'15      | + 5'85                 | 339,300                                        | ...                                            |
| XIX   | Carnatic . . . . .                | 72,000               | 39                  | 35'73             | 39'67      | + 3'94                 | 283,680                                        | ...                                            |
|       | Sums . . . . .                    | 1,084,000            | ...                 | ...               | ...        | ...                    | 4,427,175                                      | 1,149,300                                      |
| XX    | Arakan . . . . .                  | 11,000               | 7                   | 149'27            | 145'85     | — 3'42                 | ...                                            | 37,620                                         |
| XXI   | Pegu . . . . .                    | 32,500               | 7                   | 72'66             | 70'41      | — 2'25                 | ...                                            | 73,125                                         |
| XXII  | Tenasserim . . . . .              | 10,500               | 4                   | 171'50            | 170'52     | — 0'98                 | ...                                            | 10,290                                         |
|       | Sums . . . . .                    | 1,138,000            | ...                 | ...               | ...        | ...                    | 4,427,175                                      | 1,270,335                                      |

On the mean of the whole area represented in the above table, there was an excess of +2'77 inches, or, excluding the Burmese Peninsula, +3'02 inches.

### SUMMARY.

The following remarks are based on an imperfect study of the Meteorology of India during the past year.

The general characteristics and uniformities of the Meteorology of India are now known with approximate exactness. They are much broader and simpler than those of regions in the temperate zone. This arises from its situation in the tropics and from its peculiar geographical features, which give it a variety of meteorological conditions and makes its meteorology an epitome of every variety of tropical meteorology. It is sufficient to point out that India is a peninsula forming part of the vast continent of Asia, and yet more or less completely isolated from the central and northern regions of Asia by the

vast wall of the Himalayas. It stretches southwards from that mountain chain to the neighbourhood of the Equator. It projects between the two large arms of the great Indian Ocean, *viz.*, the Bay of Bengal and Arabian Sea. The northern portion consists of a broad level plain little raised above the sea and watered by the large rivers that drain the Himalayan area, *viz.*, the Indus, Ganges, and Brahmaputra. The peninsula consists of a plateau fringed by mountains, with to the east and west a more or less narrow belt. As in America coast, in obedience to some general law, the higher mountain chains are on the western side, where the low coast belt is also extremely narrow.

The position of India within the tropics, its conformation and its partial isolation from the great Central Asian plateau, impress upon its meteorology certain well marked characteristic features. Some of these are enumerated in the following paragraphs:—

The first is the regularity and massiveness of the ordinary or climatic oscillations of pressure. Amongst these are—

(a.)—The annual oscillation varying very considerably in amount in different parts of India.

(b.)—The diurnal oscillation differing slightly in amount at different seasons and in different parts of India.

(c.)—A less regular oscillation which varies very considerably at different times of the year, and is due, like the two previous, mainly to temperature changes and therefore primarily to solar action. The average period of this appears to be from three to four days.

The nature and relation of the first two changes are shewn by the following data:—

|                                                 | Annual range<br>(a.) | Diurnal range<br>(d.) | Ratio of a:d. |
|-------------------------------------------------|----------------------|-----------------------|---------------|
| Equatorial sea regions south of India . . . . . | °073                 | °089                  | 0°8:1         |
| Galle . . . . .                                 | °114                 | °101                  | 1°1:1         |
| Port Blair . . . . .                            | °225                 | °094                  | 2°4:1         |
| Nancowry . . . . .                              | °122                 | °085                  | 1°4:1         |
| Madras . . . . .                                | °352                 | °129                  | 2°7:1         |
| Bombay . . . . .                                | °335                 | °102                  | 3°3:1         |
| Nagpur . . . . .                                | °442                 | °127                  | 3°5:1         |
| Akyab . . . . .                                 | °379                 | °105                  | 3°6:1         |
| Calcutta . . . . .                              | °529                 | °112                  | 4°7:1         |
| Patna . . . . .                                 | °579                 | °130                  | 4°5:1         |
| Allahabad . . . . .                             | °589                 | °115                  | 5°1:1         |
| Jeypore . . . . .                               | °505                 | °099                  | 5°1:1         |
| Agra . . . . .                                  | °578                 | °108                  | 5°4:1         |
| Roorkee . . . . .                               | °553                 | °100                  | 5°5:1         |
| Lahore . . . . .                                | °615                 | °086                  | 7°2:1         |
| Peshawar . . . . .                              | °650                 | °096                  | 6°8:1         |
| Rawalpindi . . . . .                            | °557                 | °080                  | 7°0:1         |

|                      | Height. | Annual range.<br>(a) | Diurnal range.<br>(d) | Ratio of a : d. |
|----------------------|---------|----------------------|-----------------------|-----------------|
| HILL STATIONS.       |         |                      |                       |                 |
| Newera Eliya . . . . | 6,200   | °062                 | °098                  | 0·6:1           |
| Kandy . . . . .      | 1,700   | °117                 | °102                  | 1·1:1           |
| Wellington . . . . . | 6,200   | °143                 | °071                  | 2·0:1           |
| Darjeeling . . . . . | 7,400   | °214                 | °071                  | 3·0:1           |
| Chakrata . . . . .   | 7,000   | °254                 | °047                  | 5·4:1           |
| Simla . . . . .      | 7,000   | °259                 | °045                  | 5·8:1           |
| Murree . . . . .     | 6,300   | °283                 | °033                  | 8·6:1           |
| Kailang . . . . .    | 10,000  | °187                 | °038                  | 4·9:1           |
| Leh . . . . .        | 11,500  | °222                 | °091                  | 2·4:1           |

These figures disclose some important facts. The first is that in the equatorial belt to the South of India, and in the upper regions at a height exceeding 2,000 feet in Ceylon, the diurnal oscillation is actually larger than the annual, and is from this point of view as well as from the shortness of its period very much more important than the annual oscillation. With increasing latitude in India, the average diurnal oscillation remains almost unchanged in amount (Galle= $\cdot 101$ , Roorkee= $\cdot 100$ ), but the annual oscillation in the plains increases rapidly northwards, and in Upper India its amplitude is seven times as great as that of the diurnal oscillation. The relations which have been shewn to hold for the plains stations also obtain in the upper strata up to a height of 7,000 feet at least. Thus in Ceylon at that elevation the diurnal oscillation is much more strongly marked than the annual oscillation; whilst in the mountain districts of Upper India the annual oscillation is (relatively to the diurnal oscillation) almost as strongly marked as in the plains below.

The temperature presents oscillations (diurnal and annual) as marked as those of the pressure; but the most important feature is the very great contrast there is between the temperature changes in Southern India and the adjacent oceanic area, and those of the whole of Central and Northern India. The following data illustrate this difference:—

|                                       | Mean annual temperature. | Lowest monthly temperature. | Highest monthly temperature. | Annual range. |
|---------------------------------------|--------------------------|-----------------------------|------------------------------|---------------|
| Equatorial sea regions south of India | 81·9                     | 80·7                        | 83·6                         | 2·9           |
| Galle . . . . .                       | 80·1                     | 78·1                        | 82·0                         | 3·9           |
| Nancowry . . . . .                    | 80·1                     | 78·6                        | 82·6                         | 4·0           |
| Port Blair . . . . .                  | 80·0                     | 75·0                        | 83·4                         | 8·4           |
| Negapatam . . . . .                   | 81·5                     | 76·4                        | 86·0                         | 9·6           |
| Bombay . . . . .                      | 79·6                     | 73·8                        | 84·9                         | 11·1          |
| Bangalore . . . . .                   | 72·8                     | 67·3                        | 80·0                         | 12·7          |
| Akyab . . . . .                       | 78·7                     | 69·5                        | 84·1                         | 14·6          |

## SUMMARY.

| STATIONS.                  | Mean annual temperature. | Lowest monthly temperature. | Highest monthly temperature. | Annual range. |
|----------------------------|--------------------------|-----------------------------|------------------------------|---------------|
| Calcutta . . . . .         | 77·8                     | 65·1                        | 84·8                         | 19·7          |
| Nagpur . . . . .           | 78·6                     | 66·9                        | 92·8                         | 25·9          |
| Indore . . . . .           | 74·2                     | 62·2                        | 87·3                         | 25·1          |
| Patna . . . . .            | 77·8                     | 61·3                        | 88·5                         | 27·2          |
| Allahabad . . . . .        | 77·7                     | 60·6                        | 92·0                         | 31·4          |
| Bickaneer . . . . .        | 79·9                     | 60·7                        | 94·8                         | 34·1          |
| Jacobabad . . . . .        | 78·1                     | 57·5                        | 96·1                         | 38·6          |
| Lahore . . . . .           | 75·2                     | 54·0                        | 93·3                         | 39·3          |
| Dera Ismail Khan . . . . . | 74·2                     | 52·4                        | 92·8                         | 40·4          |
| Kailang . . . . .          | 39·9                     | 18·3                        | 61·1                         | 42·8          |
| Leh . . . . .              | 40·0                     | 17·8                        | 61·6                         | 43·8          |

The annual range of temperature in the open sea in the latitude of Ceylon is about 3°, in South Ceylon and the Nicobars 4°, and it increases slowly over the peninsula proper, but rapidly from the sea coast to the interior in Northern India, the range in the West Punjab and North Sind being about 40° or from ten to thirteen times as much as in the open sea immediately to the south of India. There is a similar strongly marked contrast between the daily range of temperature in Northern and Southern India :—

| STATIONS.                  | Greatest daily range.               | Least daily range.                 | Average daily range. |
|----------------------------|-------------------------------------|------------------------------------|----------------------|
| Galle . . . . .            | 9·2 in the month of March . . . . . | 4·7 in the month of July . . . . . | 6·9                  |
| Nancowry . . . . .         | 12·4 " " " April . . . . .          | 9·5 " " " January . . . . .        | 12·3                 |
| Port Blair . . . . .       | 15·2 " " " Do. . . . .              | 8·1 " " " August . . . . .         | 12·8                 |
| Negapatam . . . . .        | 14·3 " " " July . . . . .           | 7·3 " " " November . . . . .       | 10·2                 |
| Bombay . . . . .           | 15·0 " " " February . . . . .       | 7·1 " " " August . . . . .         | 9·4                  |
| Akyab . . . . .            | 22·8 " " " January . . . . .        | 6·1 " " " Do. . . . .              | 14·1                 |
| Bangalore . . . . .        | 25·1 " " " March . . . . .          | 15·5 " " " October . . . . .       | 21·4                 |
| Bellary . . . . .          | 31·6 " " " Do. . . . .              | 16·8 " " " July . . . . .          | 25·5                 |
| Calcutta . . . . .         | 24·6 " " " April . . . . .          | 9·1 " " " August . . . . .         | 20·9                 |
| Patna . . . . .            | 28·8 " " " March . . . . .          | 8·2 " " " Do. . . . .              | 25·7                 |
| Jubbulpore . . . . .       | 30·9 " " " Do. . . . .              | 8·9 " " " Do. . . . .              | 26·1                 |
| Allahabad . . . . .        | 32·6 " " " Do. . . . .              | 9·8 " " " Do. . . . .              | 28·8                 |
| Indore . . . . .           | 33·2 " " " Do. . . . .              | 11·5 " " " Do. . . . .             | 28·0                 |
| Ajmere . . . . .           | 35·2 " " " November . . . . .       | 11·7 " " " Do. . . . .             | 25·9                 |
| Lahore . . . . .           | 36·7 " " " Do. . . . .              | 17·9 " " " Do. . . . .             | 23·4                 |
| Jacobabad . . . . .        | 37·0 " " " Do. . . . .              | 23·0 " " " January . . . . .       | 28·5                 |
| Dera Ismail Khan . . . . . | 36·7 " " " Do. . . . .              | 22·3 " " " August . . . . .        | 23·7                 |



It will be sufficient to point out some of the more remarkable features indicated by the temperature tables given above. In the first place the mean annual temperature of the whole of India, the Bay of Bengal and Arabian Sea differs very slightly, and is approximately  $80^{\circ}$ , ranging between  $78^{\circ}$  and  $82^{\circ}$ . As already pointed out, this common mean state is due to very different temperature conditions in different parts of the area. In the sea area and coast districts of Southern India, the annual range is small and the temperature is uniformly moderately high throughout the year; whilst in the interior and more especially in Upper India, the annual range is large, and averages  $40^{\circ}$  in the Indus Valley, and from  $30^{\circ}$  to  $40^{\circ}$  over the Punjab, North-Western Provinces, Rajputana and Central India, and the range of the mean temperature is hence excessive and the climate continental in its character. It should also be carefully noted that the mean temperature of the Punjab is  $25^{\circ}$  lower than that of the Equatorial seas to the south of India in the months of December and January, and is only  $15^{\circ}$  higher in the months of May and June. Hence the largest differences of temperature over what may be termed the Indian area occur during the cold weather, and not during the hot weather or immediately antecedent to the rains. The daily range of temperature also exhibits similar peculiarities. In Upper India (the Punjab, North Sind, and Rajputana) the month of November—the calmest month of the year—is that of greatest daily range of temperature, the amounts ranging between  $35^{\circ}$  and  $40^{\circ}$  in that area. In Central India, the Central Provinces, the greater part of the North-Western Provinces, and Behar, March is the month in which the daily range of temperature is greatest. It will thus be seen that in Upper India, the mean daily range of temperature is greatest in November, and is nearly as large in amount as the mean annual range in that part of India. Another interesting and important fact is that in Southern India and the adjacent seas the diurnal variation is considerably larger than the mean annual range, and hence is a more important phenomenon than the latter. Also in the month of August the daily range of temperature is almost uniform over by far the larger portion of the country, including Burma, Assam, Bengal, Bombay, the Central Provinces, Central India, and the North-Western Provinces, in which it varies from  $8^{\circ}$  to  $10^{\circ}$ . It is, for example, actually less in amount at Patna than at Calcutta. During the height of the rains the temperature conditions are remarkably uniform over the whole of Northern and Central India, and the mean temperature of the land is not more than  $5^{\circ}$  higher than that of the adjacent seas. Hence, from whatever point the temperature conditions of India and the adjacent seas be viewed, it is clear that the sharpest and most marked contrasts do not occur immediately antecedent to the rains, and therefore the change of the monsoons in the latter half of May and beginning of June is not a phenomenon due entirely or mainly to the special temperature conditions of India, and still less of Thibet, but to more general atmospheric changes and conditions. In other words, it is an imperfect view to consider Northern India as a furnace in May and June, and the monsoon as an indraught with Upper India as its goal or centre of aspiration.

The humidity conditions vary within very wide limits, but this is due in part to the very different temperature relations at different seasons and in different portions of the country. Humidities of 3, 4, and 5 are by no means uncommon in the Punjab, North-West Provinces, Rajputana and Sind in the months of April, May and June.

The amount of vapour is a more important element from a purely meteorological and scientific point of view than the humidity, which merely expresses a relation between the amount of vapour in the air and the temperature. The amount or weight per unit volume

of aqueous vapour in the air is, roughly speaking, proportional to the pressure, or, as it is sometimes incorrectly termed, the tension of the aqueous vapour present in the atmosphere. The following table gives a brief statement of the humidity and aqueous vapour pressure in a few cases:—

## A.—HUMIDITY.

|                      | January. | April. | June. | August. |
|----------------------|----------|--------|-------|---------|
| Leh . . . . .        | 63       | 43     | 38    | 48      |
| Lahore . . . . .     | 61       | 37     | 37    | 62      |
| Chakrata . . . . .   | 63       | 45     | 66    | 91      |
| Roorkee . . . . .    | 65       | 34     | 51    | 76      |
| Darjeeling . . . . . | 79       | 74     | 95    | 94      |
| Dhubri . . . . .     | 76       | 67     | 86    | 86      |
| Murree . . . . .     | 57       | 51     | 47    | 81      |
| Rawalpindi . . . . . | 72       | 57     | 49    | 72      |
| Quetta . . . . .     | 66       | 51     | 42    | 44      |
| Jacobabad . . . . .  | 46       | 37     | 42    | 58      |

## B.—AQUEOUS VAPOUR PRESSURE.

|                      | NORTH-EAST MONSOON. |        | SOUTH-WEST MONSOON. |         |
|----------------------|---------------------|--------|---------------------|---------|
|                      | January.            | April. | June.               | August. |
| Leh . . . . .        | ·07                 | ·10    | ·18                 | ·26     |
| Lahore . . . . .     | ·27                 | ·38    | ·61                 | ·85     |
| Chakrata . . . . .   | ·16                 | ·22    | ·41                 | ·54     |
| Roorkee . . . . .    | ·28                 | ·32    | ·64                 | ·85     |
| Murree . . . . .     | ·14                 | ·24    | ·37                 | ·55     |
| Rawalpindi . . . . . | ·25                 | ·42    | ·63                 | ·81     |
| Quetta . . . . .     | ·16                 | ·25    | ·38                 | ·38     |
| Jacobabad . . . . .  | ·22                 | ·41    | ·68                 | ·82     |
| Darjeeling . . . . . | ·20                 | ·31    | ·49                 | ·51     |
| Dhubri . . . . .     | ·42                 | ·65    | ·90                 | ·93     |

The above shows that the amount of vapour present is from two to three or four times as much in the height of the south-west monsoon as in January during the north-east monsoon.

The chief feature, however, is the almost exact proportionality that subsists between the aqueous vapour pressure throughout nearly the whole of the period (or practically the whole year) at both the hill and plain stations. The proportionality is more exact during the north-east monsoon period than in the rains, as might indeed be expected. This proportionality, it should be noticed, extends over Beluchistan and Thibet, as well as the whole of Northern India in the plains, and to an elevation of at least 8,000 feet. It appears hence to indicate that the amount of moisture is determined over Northern India and adjacent districts by general rather than by local conditions, and that the interchange

between the lower and higher regions of the atmosphere takes place in the dry weather of the north-east monsoon more rapidly than might have been anticipated. Another point deserving notice is that the same aqueous vapour relations obtain at Leh as in Northern India, and the hill stations of Upper India, thus indicating that the southern portions of Thibet at least are not isolated meteorologically from India to the extent that has sometimes been assumed. This inference, if correct, appears to be important, more especially in connection with the north-east monsoon circulation.

Another and by far the most striking feature in Indian Meteorology is the contrast between the rainfall in different districts and also between the rainfall at different seasons in the same district.

The following give some examples of the first feature :—

| STATIONS,            | Annual Rainfall, | STATIONS,          | Annual Rainfall, |
|----------------------|------------------|--------------------|------------------|
| Cherra Poonjee . . . | 474'00 Inches.   | Leh . . . . .      | 2'56 Inches.     |
| Mohableshtar . . .   | 261'34 "         | Jacobabad . . . .  | 4'43 "           |
| Baura . . . . .      | 252'26 "         | Shikarpur . . . .  | 4'76 "           |
| Baxa . . . . .       | 216'49 "         | Rohri . . . . .    | 5'29 "           |
| Matheran . . . . .   | 208'59 "         | Muzaffargarh . . . | 5'97 "           |
| Sandoway . . . . .   | 213'22 "         | Sehwan . . . . .   | 6'83 "           |
| Tavoy . . . . .      | 196'44 "         | Kurrachee . . . .  | 7'44 "           |
| Akyab . . . . .      | 195'49 "         | Jeysulmere . . . . | 7'54 "           |

The second feature is shewn by the following cases :—

| STATIONS,                | Greatest average monthly rainfall, | Least average monthly rainfall, |
|--------------------------|------------------------------------|---------------------------------|
| Cherra Poonjee . . . . . | 120'53 Inches.                     | 0'31 Inches.                    |
| Matheran . . . . .       | 84'36 "                            | 0'01 "                          |
| Baura . . . . .          | 88'40 "                            | 0'01 "                          |
| Sandoway . . . . .       | 60'34 "                            | 0'06 "                          |
| Tavoy . . . . .          | 45'98 "                            | 0'14 "                          |
| Akyab . . . . .          | 51'55 "                            | 0'14 "                          |
| Baxa . . . . .           | 48'71 "                            | 0'50 "                          |
| Bombay . . . . .         | 24'67 "                            | Nil.                            |

The most important feature in the Meteorology of India is the air circulation. Amidst considerable complexity, there stands out the broad fact that two air circulations of opposite characters prevail in India alternately. The first of these is the north-east monsoon, which usually lasts from October or November to April; and the other, the south-west monsoon circulation, prevailing from May to September or October. The normal or regular features are most strongly shewn in the Arabian Sea and to a less extent in the Bay of Bengal.

The north-east monsoon circulation is fully established some weeks earlier in the Arabian Sea than in the Bay of Bengal, and is also stronger, steadier, and more per-

sistent. It is usually fully established over the Arabian Sea by the 15th or 30th of October, whereas it does not generally set in steadily over the Bay until the beginning of December. Some of the consequences of this will be pointed out further on. The north-east monsoon circulation gives at sea steady and moderate north-east winds. In India the winds are feeble, and the direction of the surface air motion is very largely modified and determined by the shape and direction of the river valleys, mountains, and other geographical features. This lower air motion is only part of a general air circulation which includes an ascending and a descending current and an upper return current. The ascensional movement undoubtedly occurs over the equatorial region to the south of India and at the northern limit of the south-east trades in these months.

Little is known as to the area over which the descensional movement takes place. The existence of the upper return (south-west) current is established by the occasional upper cloud movements that are visible in Northern India at this time. There are various reasons for believing that the upper return current advances north as far as the Himalayas, and that the greater part of the descensional movement takes place to the north of these mountains, or over the great central plateau of Asia. Some of these are given in the following paragraphs.

The first argument is based on the differences of temperature between the hills and plains in Upper India.

The following gives the chief data :—

| MONTH.            | AVERAGE TEMPERATURE. |         | Diff. | AVERAGE TEMPERATURE. |          | Diff. |
|-------------------|----------------------|---------|-------|----------------------|----------|-------|
|                   | Simla.               | Lahore. |       | Chakrata.            | Roorkee. |       |
| January . . . . . | 40·6                 | 54·0    | 13·4  | 42·3                 | 56·4     | 14·1  |
| April . . . . .   | 58·4                 | 80·9    | 22·5  | 59·9                 | 81·8     | 21·9  |
| June . . . . .    | 67·1                 | 93·3    | 26·2  | 67·3                 | 90·2     | 22·9  |
| August . . . . .  | 62·9                 | 87·8    | 24·9  | 64·1                 | 83·7     | 19·6  |

| MONTH.            | AVERAGE TEMPERATURE. |           | Diff. | AVERAGE TEMPERATURE. |             | Diff. |
|-------------------|----------------------|-----------|-------|----------------------|-------------|-------|
|                   | Ranikhet.            | Bareilly. |       | Murree.              | Rawalpindi. |       |
| January . . . . . | 46·1                 | 57·5      | 11·4  | 38·8                 | 48·7        | 9·9   |
| April . . . . .   | 65·2                 | 83·1      | 17·9  | 57·0                 | 71·2        | 14·2  |
| June . . . . .    | 70·6                 | 89·0      | 18·4  | 71·3                 | 88·7        | 17·4  |
| August . . . . .  | 67·1                 | 83·2      | 16·1  | 66·5                 | 83·8        | 17·3  |

| MONTH.            | AVERAGE TEMPERATURE. |            | Diff. | AVERAGE TEMPERATURE. |         | Diff. |
|-------------------|----------------------|------------|-------|----------------------|---------|-------|
|                   | Quetta.              | Jacobabad. |       | Darjeeling.          | Dhubri. |       |
| January . . . . . | 39·9                 | 57·5       | 17·6  | 39·5                 | 63·0    | 23·5  |
| April . . . . .   | 57·6                 | 83·0       | 25·4  | 53·7                 | 79·0    | 25·3  |
| June . . . . .    | 73·8                 | 96·1       | 22·3  | 59·6                 | 80·4    | 20·8  |
| August . . . . .  | 75·0                 | 90·7       | 15·5  | 60·7                 | 81·1    | 20·4  |

These figures harmonize and establish very clearly that the least difference of temperature between the plains and hills in Upper India occurs in January in the midst of the cold weather, and the greatest difference in June, when the south-west monsoon has been completely established over India. In other words, up to the middle or end of June the air at the level of the plains is heated more rapidly than it is at a height of 6,000 feet and upwards, or, as has been already indicated, if the origin of the south-west monsoon is to be sought for in rapidly increasing temperature, its seat is not on the higher levels of the atmosphere or in the mountain plateaus to the north of India, but in the plains of Northern India.

The following will show that there is no such marked contrast between the temperature at the elevation of the hills in Southern India and the adjacent plains :—

| MONTH.            | AVERAGE TEMPERATURE. |              |       |             |              |       |               |        |       |
|-------------------|----------------------|--------------|-------|-------------|--------------|-------|---------------|--------|-------|
|                   | Pachmarhi.           | Hoshangabad. | Diff. | Wellington. | Colombatore. | Diff. | Newera Eliya. | Galle. | Diff. |
| January . . . . . | 57.9                 | 65.8         | 7.9   | 55.2        | 73.6         | 18.4  | 57.4          | 78.1   | 20.7  |
| April . . . . .   | 79.3                 | 87.7         | 8.4   | 65.2        | 83.3         | 18.1  | 60.0          | 82.0   | 22.0  |
| June . . . . .    | 77.6                 | 87.1         | 9.5   | 63.4        | 78.0         | 14.6  | 59.3          | 80.7   | 21.4  |
| August . . . . .  | 69.8                 | 78.4         | 8.6   | 62.4        | 76.9         | 14.5  | 58.8          | 80.1   | 21.3  |

A second argument is based on the peculiar distribution of the rainfall in the Himalayan area :—

| MONTH.              | Leh,<br>11,503 ft. | Kilba,<br>10,000 ft. | Kailang,<br>10,087 ft. | Simla.  | Darjeeling. | Cherra<br>Poonjee. | Pachmarhi. | Matheran. | Wellington. | Newera<br>Eliya. |
|---------------------|--------------------|----------------------|------------------------|---------|-------------|--------------------|------------|-----------|-------------|------------------|
|                     | Inch.              | Inches.              | Inches.                | Inches. | Inches.     | Inches.            | Inches.    | Inches.   | Inches.     | Inches.          |
| January . . . . .   | 0.2                | 10.1                 | 4.9                    | 2.8     | 0.7         | 0.6                | 0.5        | 0.1       | 0.8         | 5.6              |
| February . . . . .  | 0.2                | 6.1                  | 3.1                    | 2.7     | 1.1         | 2.6                | 0.3        | ...       | 0.3         | 2.5              |
| March . . . . .     | 0.2                | 7.0                  | 3.3                    | 3.0     | 2.3         | 9.0                | 0.4        | ...       | 2.0         | 3.0              |
| April . . . . .     | 0.1                | 6.0                  | 3.3                    | 2.8     | 3.9         | 29.6               | 0.3        | ...       | 2.9         | 5.6              |
| May . . . . .       | 0.1                | 5.3                  | 1.7                    | 4.7     | 7.2         | 50.0               | 0.7        | 0.8       | 4.1         | 8.2              |
| June . . . . .      | 0.2                | 2.7                  | 1.2                    | 7.9     | 24.8        | 110.0              | 10.8       | 35.7      | 3.6         | 14.4             |
| July . . . . .      | 0.5                | 5.2                  | 0.9                    | 19.3    | 30.1        | 120.5              | 28.8       | 84.4      | 3.2         | 13.7             |
| August . . . . .    | 0.4                | 4.1                  | 0.9                    | 18.1    | 26.5        | 78.9               | 18.2       | 50.7      | 4.0         | 9.4              |
| September . . . . . | 0.1                | 5.4                  | 0.7                    | 6.0     | 17.8        | 57.1               | 15.1       | 31.0      | 4.7         | 8.9              |
| October . . . . .   | 0.4                | 1.2                  | 0.4                    | 1.4     | 6.4         | 13.6               | 1.9        | 5.3       | 9.8         | 1.05             |
| November . . . . .  | 0                  | 3.8                  | 0.7                    | 0.3     | 0.2         | 1.8                | 0.4        | 0.6       | 8.5         | 9.2              |
| December . . . . .  | 0.1                | 2.0                  | 0.6                    | 1.1     | 0.2         | 0.3                | 0.7        | 0.1       | 4.1         | 7.9              |

The preceding shews that up to heights of 7,000 or 8,000 feet the rainfall in India is mainly due to the lower current of the south-west monsoon circulation. This is as true of the Sahaydri Mountains or West Ghâts, the Garo and Khasi Hills, and the Vindhya Mountain, as it is of the southern slopes of the Himalayas. But in the Western Himalayas, at

heights of 10,000 feet and upwards, the chief rainfall occurs during the north-east monsoon circulation and not during the "rains proper."

The following shews the contrast in a simpler and more striking form:—

| DISTRICTS.                 | STATIONS.            | Elevation. | (a)<br>Total average<br>rainfall, November<br>to March. | (b)<br>Total average<br>rainfall, May to<br>September. | Ratio,<br>a : b. |
|----------------------------|----------------------|------------|---------------------------------------------------------|--------------------------------------------------------|------------------|
| Higher<br>Himalayas.       | Leh . . . . .        | 11,500     | 0·8                                                     | 1·3                                                    | 0·6:1            |
|                            | Kilba . . . . .      | 8,500      | 28·9                                                    | 22·7                                                   | 1·3:1            |
|                            | Kailang . . . . .    | 10,000     | 12·5                                                    | 5·4                                                    | 2·3:1            |
|                            | Quetta . . . . .     | 5,500      | 6·2                                                     | 2·2                                                    | 2·8:1            |
|                            | Peshawar . . . . .   | 1,100      | 5·9                                                     | 5·6                                                    | 1·1:1            |
|                            | Murree . . . . .     | 6,300      | 12·8                                                    | 37·3                                                   | 0·3:1            |
| Hills and Plains of India. | Simla . . . . .      | 7,000      | 10·0                                                    | 56·0                                                   | 0·2:1            |
|                            | Chakrata . . . . .   | 7,000      | 9·5                                                     | 49·0                                                   | 0·2:1            |
|                            | Darjeeling . . . . . | 7,400      | 4·6                                                     | 106·5                                                  | 0·04:1           |
|                            | Rawalpindi . . . . . | 1,600      | 8·3                                                     | 21·2                                                   | 0·4:1            |
|                            | Lahore . . . . .     | 700        | 3·5                                                     | 17·1                                                   | 0·2:1            |
|                            | Mooltan . . . . .    | 400        | 1·5                                                     | 5·1                                                    | 0·3:1            |
|                            | Roorkee . . . . .    | 880        | 5·1                                                     | 36·2                                                   | 0·1:1            |
|                            | Delhi . . . . .      | 700        | 2·6                                                     | 24·0                                                   | 0·1:1            |
|                            | Nagpur . . . . .     | 1,000      | 2·5                                                     | 39·6                                                   | 0·1:1            |
|                            | Jeypore . . . . .    | 1,400      | 1·1                                                     | 22·2                                                   | 0·05:1           |
|                            | Patna . . . . .      | 180        | 1·8                                                     | 37·7                                                   | 0·05:1           |
|                            | Dhubri . . . . .     | 115        | 3·0                                                     | 81·2                                                   | 0·04:1           |

The rainfall in the interior and higher Himalayan districts is hence opposite in character, distribution, and occurrence to that of the lower hills and plains. It is heaviest during the cold weather and comparatively light during the rains. The rainfall at this time increases in amount with elevation from the plains up to height of 10,000 feet certainly, and probably, up to 15,000 or 20,000 feet. The probability of this last statement can only be inferred from the rough snowfall data which have been collected during recent years, and also from the amount of precipitation necessary to supply the loss of snow by melting and evaporation. In Upper India, at the elevation of the snows the action of the sun is very powerful, and it is almost certain that the average amount of snow melted daily would be at least equivalent to a depth of  $\frac{1}{3}$  inch of water (taking a very low estimate) and is probably considerably more,—it may be from two to five times as great.

Taking the moderate estimate of  $\frac{1}{3}$  inch, the snowfall necessary to supply the loss of evaporation would be equivalent to a rainfall of about fifteen inches per annum. In the Western Himalayas there is no doubt that the snowfall occurs almost entirely during the winter months. Hence an amount of snow at least equivalent to 15 inches of rain must fall during the period October to April over the higher elevations of the Western Himalayan area (I may add that an estimate of the amount of water discharged by the great Himalayan

rivers in the months of April or May), which is almost entirely due to the melting of the Himalayan snows by the action of the sun also appears to me to establish that the estimate is certainly considerably under the mark.

The fact that the winter rainfall is much larger on the southern higher slopes and elevations of the Himalayas than in the northern, and that it diminishes rapidly with decrease of elevation and is comparatively small in amount at the level of the plains, is an almost conclusive proof that the upper return (S.-W.) current advances as far north as the Himalayas, and passes in part, if not entirely, to the north across them. According to this view the higher Himalayas play nearly the same part with respect to the upper humid S.-W. current of the north-east monsoon circulation that the West Ghâts do to the low humid south-west current of the south-west monsoon circulation. This is confirmed by the peculiar temperature relations that hold between the plains of Upper India and the adjacent hills, the comparatively damp upper current preventing to a considerable extent the reduction of temperature which goes on so rapidly in the plains in November, December, and January, and by the fact that the cloud amount in the hills in Upper India is in the cold weather nearly twice as great as at the adjacent plain stations.

One or two additional general reasons may be given in support of this view of the north-east monsoon upper return current. The charts drawn up by Mr. Dallas shewing the meteorological features of the Arabian Sea and Bay of Bengal establish most conclusively what might have been anticipated from previous knowledge, *viz.*, that the lower current of the north-east monsoon circulation in the Arabian Sea is established at an earlier date and is throughout stronger and steadier than the corresponding current in the Bay of Bengal. The upper current is the necessary complement of the lower, and will hence be distinguished by the same features of greater strength and steadiness and longer duration. Hence a sufficient reason for the fact that the upper current may advance further north in the western than the eastern Himalayas, that it may give larger supplies of rain and snow, and that its various features will be more strongly pronounced in the Punjab and North-West Provinces than in Assam and Bengal. This is well known to be the case. Also if the south-west monsoon terminates earlier than usual, it would be reasonable to expect that the north-east monsoon circulation would be established earlier than usual and be stronger and steadier and more pronounced, and hence that the accompanying rainfall, as a rule, would be in excess. In other words a weak and deficient south-west monsoon rainfall in Upper India would generally (not invariably) be followed by larger cold weather rainfall in Upper India and heavier snowfall in the adjacent Himalayan districts. This has been shewn by Mr. Hill in a paper in the Meteorological Memoirs to be the case. The occurrence of rainfall is somewhat capricious, and hence it would be naturally expected that the rule that deficient rainfall in the south-west monsoon is followed by increased rain and snow in the succeeding cold weather should not be invariable. It appears therefore to be almost certain from the preceding and other reasons that the upper or return current of the north-east monsoon circulation is a south-westerly humid current and that it advances across the Himalayas, and hence it follows that a large part, if not the whole, of the descensional movement of the north-east monsoon circulation takes place to the north of the Himalayas in Central Asia.

An important consequence follows from this view. The general experience in India is that cyclonic disturbances on the large scale in the Bay of Bengal and Arabian Sea

are of frequent occurrence in the lower humid south-west current of the south-west monsoon circulation, and rarely, if ever, occur in the drier low current of the north-east monsoon current. Local evaporation is ineffective in the seas adjacent to India to produce large cyclonic storms, and hence probably in the land area. Hence a very strong reason for believing that the origin and seat of the cyclonic disturbances of the cold weather is not primarily in the lower surface drift, but in the upper south-west humid current. It is notorious that the greater part of the snowfall in the Himalayas occurs during disturbed stormy weather in Upper India and when the wind and pressure relations shew that cyclonic conditions of a feeble and somewhat irregular character are established and that the stormy weather is more pronounced in the hills and is generally of longer duration than it is in the plains. It is not necessary to enter in full detail into the characteristics of these storms. It is sufficient to indicate that they are almost certainly due in the first instance to disturbances in the upper humid current, and that the change of winds over the plains is a subsidiary and secondary phenomenon.

There are many important features in connection with these storms which require careful consideration, and some of which do not seem explicable except on the supposition of much more complicated relations and actions than those contemplated in the previous paragraphs. But the conditions, circumstances, &c., of the winter or cold weather rainfall appear to be of great importance and deserving of special study, as suppositions have been put forward which appear not to go to the root of the matter at all, but which make the whole depend on some adventitious circumstances that are left unexplained.

The character of the south-west monsoon of 1886 as shewn by the rainfall is given in the following extract from Mr. Blanford's Annual Report for 1885:—

"The rains set in on the west of Travancore on the 6th June, with the formation of a small cyclonic storm over the south of the peninsula; but they did not reach further north than Ratnagiri, and when this storm broke up, there was no further heavy rain on the northern half of the west coast, till the end of the month; and in the Northern Konkan till the middle of July. Even then, the rains did not continue steadily. No further heavy rain fell at Bombay till the middle of August, and throughout the season the rains were light and interrupted in Western India.

"In Bengal, on the other hand, the rains set in about the usual date, in the middle of June, and speedily penetrated to the North-Western Provinces and the Punjab. In the Central Provinces they set in at the same time as in Bengal. July was a month of light rainfall in the Punjab, and in Rajputana and Western India generally, during the first fortnight or three weeks, as well as in the Gangetic plain. In the Central Provinces, parts of Bengal and Assam, the fall was more normal. August was a very wet month in the Punjab and over the greater part of the North-Western and Western India, owing to the passage of a series of cyclonic storms, of the usual monsoon type, with comparatively light wind, but locally heavy rain. But Northern Bengal and Assam were prejudicially affected by these storms, the rain-bearing current being drawn aside from these provinces towards the vortex of the storms. In Madras there had been more than the usual amount of rain in June; but in the subsequent months, it was chiefly restricted to the northern districts of the presidency; and, in the Carnatic, the showers were even less copious and frequent than usual."

The preceding remarks shew that the south-west monsoon rainfall of 1885 was approximately normal and did not present any marked deviation from the normal. The rainfall was deficient in Sind, Guzerat, and some parts of Bombay, and the current retreated slightly earlier than usual. It will thus be seen that this would probably be followed by a slightly stronger north-east monsoon circulation than usual, more especially over the Arabian Sea, and hence that the winter rains in Northern India and the snowfall in the Himalayan range would be probably normal or slightly in excess, and that these features would be some-



what more marked in the western than the eastern Himalayas. These, as has already been seen in the remarks on the rainfall of the months January to March, were the chief features of the cold weather rains of 1885-86.

The air circulation which obtains over the whole of India from the beginning of June to the middle or end of September, or the south-west monsoon, is of the very greatest importance from an economic point of view, as it is the circulation which brings up nine-tenths of the rainfall of the country. If the continent of Asia did not exist and the Indian Ocean stretched northwards to the Arctic regions as the Pacific Ocean does, north-east winds would be the permanent features of the area now occupied by India. Hence the south-west monsoon circulation is an abnormal feature, a yearly recurring anomaly caused and produced by the presence and position of the great Asiatic continent. What may be termed the furnace theory is still very largely adopted. According to this theory the land area of India or Central Asia becomes intensely heated in May, June and July, and gives rise to an indraught from neighbouring regions, one of which is the sea area to the south. Hence originate the southerly winds of the south-west monsoon which by a well-known law become converted to south-west winds as they advance northwards from the Equator. According to some Meteorologists, Northern or Upper India is the furnace or "centre of aspiration"; according to others, the Central Asian plateau. The causes of the initiation and maintenance of the south-west monsoon are apparently much more complex than this, and the furnace theory is a very imperfect representation.

The following table gives the mean temperature of three stations; one, Lahore, in the open Punjab plains, at an elevation of 700 feet; a second, Simla, lying on the crest of a hill, 7,000 feet high, on the third range of elevations from the plains, and nearly midway between the plains and first line of snows; and Leh, in the open valley of the Indus, at an elevation of 11,500 feet, but bounded to the north and south by snowy ranges:—

*Mean monthly temperature.*

|                                               | January. | February. | March. | April. | May. | June. |
|-----------------------------------------------|----------|-----------|--------|--------|------|-------|
|                                               | 0        | 0         | 0      | 0      | 0    | 0     |
| Lahore . . . . .                              | 54°0     | 58°5      | 69°4   | 80°9   | 88°2 | 93°3  |
| Simla . . . . .                               | 40°6     | 41°1      | 49°5   | 58°4   | 63°4 | 67°1  |
| Leh . . . . .                                 | 17°8     | 19°3      | 31°0   | 40°8   | 47°1 | 56°0  |
| Difference between Lahore and Simla . . . . . | 13°4     | 17°4      | 19°9   | 22°5   | 24°8 | 26°2  |
| Difference between Lahore and Leh             | 36°2     | 39°2      | 38°4   | 40°1   | 41°1 | 37°3  |

The mean annual difference of temperature between Lahore and Simla is 20°4'. These figures hence shew that at the elevation of Simla the difference of temperature is less than the mean annual difference (which may be assumed to be approximately that due to the difference of elevation) in the months of January, February and March, but that in the hot weather months that precede and initiate the south-west monsoon the difference of temperature is above the normal and steadily increases until June.

The mean annual difference of temperature for Lahore and Leh is 35°2'. Hence the difference is above the average from January to June and steadily increases until June, and

it is not less than the average until the month of July. Consequently the plains of Upper India in April, May, June and July are relatively hotter than the Himalayas or the Thibetan plateau, but during the latter months of the south monsoon, *viz.*, the latter half of July, August and September, Upper India is comparatively cool, and temperature in Thibet in-excessive compared with it. Hence if the south-west monsoon be primarily due to excessive heating of the land surface air and to relatively high temperature, the seat of this must be the lower atmospheric strata in Upper India at the commencement of the monsoon, and after they set in (in July, August and September), the hot area must be in the Central Asian plateau in the higher atmospheric strata. The latter is not the case, for, as shown by the rainfall, the ascensional movement and therefore the centre of aspiration is over Northern and Central India.

The character of the establishment of the south-west monsoon is also opposed to this theory. Usually about the end of May or beginning of June a rapid change takes place in the weather over the whole of India. It commences in the south of India and extends northwards. A strong advance of humid winds occurs in the south of the Bay and in Southern India extending from the equatorial regions. It accompanies a large amount of atmospheric disturbance which frequently concentrates into a cyclonic storm and always carries northwards with it strong winds and much rain. The first advance sometimes extends as far as the latitudes of Madras or Bombay and sometimes as far as Burma and even Aracan. It is usually followed by a lull and then by a second advance, and sometimes a third penetrating further and further north, and finally extends over the whole of India, completely changing the character of the weather in the interior.

The important feature about these sudden and more or less impulsive uprushes of this humid current is that they are evidently not due to any peculiar abnormal features lasting for a short time in Upper India just before or during their advance. They commence as local phenomena in the south and advance as if they were pressed forward. It would almost seem as if, although gradients favourable for the advance of these south-west winds may exist for some time, the statical resistances to the motion and northward extension of the south-east trades are great, and it is only after a considerable accumulation of energy that the circulation advances with an impulsive movement northwards into the comparatively calm area in front as an intruding element.

It is this peculiar character of the establishment of the monsoon which is described popularly as "the burst of the monsoon" and which appears to establish that it is a more complicated phenomenon than an indraught to an area of high temperature and low pressure in Northern India or Thibet.

The increasing heat of spring and summer in Northern India and Central Asia causes a steady fall of pressure which finally produces in April and May a reversal of the gradients previously established. Sometime after this has taken place the true south-west monsoon current advances rapidly northwards and the local circulations are displaced by, or absorbed in, the massive and general circulation of the south-west monsoon. This change modifies in the most striking manner the weather in the whole of the interior of the country.

The causes of the establishment are then more general than are frequently supposed and depend upon the larger changes of pressure over Central and Northern Asia chiefly, and not mainly on those which occur in the Indian land area. The peculiar

conditions of its advance are what might be expected when the viscosity of the air and the tendency of a massive current like the south-east trades to continue its motion unaltered after change of conditions are taken into account in combination with the slow nature of the pressure changes in Asia. It is also remarkable that the great fall of pressure in Upper India rarely if ever takes place until the monsoon current has been established over the greater part of India and appears to be an effect of the advance rather than due to the great heat of the interior either of India or Central Asia, and is a rapid phenomenon.

A study of the charts of the Bay of Bengal and Arabian Sea drawn up by Mr. Dallas shews most unmistakably that the main body of the current which sweeps over India comes from the Bombay coast, and that it is the direct continuation of the south-east trades. There is an unbroken continuity of motion from the south of the Equator to the Bombay coast, the direction of the air motion or wind changing from south-east through south to south-west and west as it advances northwards. The continuity of the motion is not quite so plainly marked in the Bay of Bengal as in the Arabian Sea. This is due to several causes. In the first place, the south-east trades are, as might naturally be expected, neither so steady nor so strong in the eastern as in the western half of the equatorial region of the Indian ocean. Again the advance of the south-west monsoon current towards the Bombay coast and the high wall of hills which rises up immediately from it, causes a deflection of a considerable portion of the current southward, and this interferes with the regular advance of the southerly current into the Bay. Mr. Dallas's charts shew that the deflected or south-west monsoon current is least steady near the east and west limits of the entrance to the Bay, *i.e.*, off the coasts of Ceylon and Sumatra, and that it is most steady in the intermediate area. There is undoubtedly a considerable amount of irregular action at and near the entrance to the Bay, but that in no way alters the main fact that in the Bay of Bengal as in the Arabian Sea the south-west monsoon current is the direct continuation of the south-east trades, and it is owing to the fact that the current brings up supplies of vapour from the large evaporating area of the North Indian Ocean as well as the Arabian Sea and Bay of Bengal that the rainfall in India during the monsoon is so large, persistent, and continuous. Consequently from this point of view the south-west monsoon circulation must be regarded as extending from the Tropic of Capricorn to the northern portions of India and Burma. The ascensional motion of this current takes place over the area of rainfall in India and Burma more or less irregularly, and the more or less oscillatory or intermittent character of the rainfall and accompanying actions in India follows naturally from these conditions. The linking on of the meteorology of India to that of China and Thibet or Central Asia remains yet to be accomplished.

It may be noted here that the action of the peninsula in breaking up the lower south-west monsoon circulation into two branches gives rise to some interesting features. A portion of the current which advances up the Bay of Bengal is deflected to the westwards up the Gangetic plain. The Bombay current flows across the peninsula in an east or east-north-east direction towards the former. There is hence an area to the south of the Gangetic plain stretching from Rajputana to Sambalpur and Hazaribagh, in which there is much interaction. That area usually forms a well marked trough or tongue of low pressure during the greater part of the rains, and there is a very marked tendency

for the smaller storms of the rains to advance along this trough. These actions give a peculiar distribution of rainfall to Northern India, the chief features of which can be seen at a glance by reference to the rainfall maps of India, which have been compiled by Mr. Blanford for his important and valuable memoir on "the Rainfall of India."

In the preceding remarks the probable general character and origin of the south-west monsoon circulation have been briefly stated. It is undoubtedly the extension of the south-east trades across the Equator over India and Burma and the adjacent seas. It is due to the prolonged general action of increasing temperature in the Asiatic continent, supplemented largely by local action in India, due to its position and its peculiar geographical relations with Central Asia. The continuation of the south-east trades across the Equator is steadiest and strongest in the equatorial regions of the Arabian Sea. It is generally weaker and much more irregular and unsteady in the equatorial regions to the south of the entrance to the Bay. The ascending movement which forms an integral portion of the circulation generally takes place irregularly over the land area of India and Burma, as is proved by the very large and almost continuous rainfall over that area during a large portion of the south-west monsoon period. In the Western Himalayas the lower humid current barely extends to the first line of snows, and it gives little or no snow to the higher mountains north of the Punjab or the North-West Provinces. In the Eastern Himalayas to the north of Assam and Bengal, on the contrary, the humid current almost certainly penetrates beyond the snows into Thibet, and gives a considerable snowfall to the mountain regions. The evidence in favour of this is not large in amount, but appears conclusively to establish that there is a considerable difference between the meteorology of the Eastern and Western Himalayan regions during the south-west monsoon.

The intermittent or oscillatory character of the south-west monsoon rainfall and air motion in Northern India has been repeatedly pointed out in various reports of the Department. During the monsoon, a strong advance of humid winds across the Bombay or Bengal coasts is followed by its rapid extension over a large part of the interior, and by heavy general rainfall for several days. The influx then diminishes in strength, rainfall decreases in amount or ceases in the interior, and light local winds set in over Upper India. This interval of comparatively fine but oppressive sultry weather is usually followed by another advance of humid winds across the coast, and a repetition of the previous phenomena or actions.

The periods of great strength of the two currents do not usually coincide, and hence it is almost certain that they are mainly due to actions and conditions in the sea area to the south and not primarily to conditions in the land area of India.

One of the most important features in the south-west monsoon circulation is the great differences which occur in the amount and distribution of the accompanying rainfall from year to year. There is on the other hand a general similarity or homogeneity of character in the distribution of rainfall during the monsoon period of any given year. This has been fully illustrated by the rainfall of the south-west monsoon period of the year 1886, and has been frequently referred to in previous annual reports. The fact that the character and distribution of the rainfall of the south-west monsoon is fairly uniform throughout the whole season suggests strongly that it is mainly dependent upon the previous meteorological conditions established over India and the adjacent seas, and that the

monsoon circulation not only does not remove previous peculiarities but rather tends to perpetuate them, and in some cases even to exaggerate or emphasize them for longer or shorter periods. That the monsoon circulation should be modified by pre-existing abnormal features or conditions, seems to be almost self-evident. That the introduction of the south-west monsoon current into India should tend to perpetuate rather than to remove the pre-existing abnormal features might be inferred from the analogous case of water motion and from the known general tendency of meteorological actions to perpetuate for some time the states or conditions which give rise to these actions rather than to remove them.

The pre-existing conditions which modify the strength and extent of the monsoon circulation and of the accompanying rainfall have been sought for in various directions. The most hopeful are—

1. The character and distribution of the snowfall of the previous winter in the Himalayan area.
2. Abnormal conditions in India, as indicated chiefly by the peculiar pressure variations or anomalies antecedent to the advent of the monsoon.
3. Abnormal conditions in the sea area to the south of India, more especially in the equatorial regions.

Little is likely to be known of the meteorology of the great plateau to the north and north-west of India for many years, and it will not be possible for years to ascertain whether these regions exercise any large influence in modifying the Meteorology of India, more especially during the south-west monsoon period.

The first method has been discussed by Mr. Blanford in his paper on the Himalayan snowfall and has already afforded valuable indications for several years. It is only necessary to point out here that it is partly included in the second, as protracted and unusually heavy snowfall or very deficient snowfall in the cold weather accompanies and occasions large variations of pressure for some time afterwards in Northern India. These are, roughly speaking, proportional in their intensity and duration to the snowfall. This theory has the merit of assigning a physical cause, but labours under the disadvantage of not being measurable except in a very rough and tentative manner (*i.e.*, chiefly the opinion of the hillsmen in a few districts under British control).

The second method of the pressure variations or anomalies has, on the other hand, the advantage that they can be determined with approximate exactness by the observations taken in India. This method is based on the assumption that the distribution of the monsoon rains is largely determined by the pre-existing pressure conditions in India. The rainfall tends to occur most abundantly over or in the neighbourhood of areas of relatively deficient pressure and to be scanty in areas of increased pressure. The extent and intensity of the effect depends as much upon the position of the area of low pressure with respect to the current or general monsoon circulation as upon its amount.

The third assumption asserts that there may be abnormal pressure and other condition over the sea area from which the current advances, and that these conditions may modify the extent and strength of the circulation in India. The marked differences between the paths of the cyclonic storms of one year and another in the Bay of Bengal indicate that there are undoubtedly abnormal conditions frequently prevalent over the sea area as well as over the land. Little can however be done in ascertaining the extent of their influence

until the more systematic collection of information from ships traversing the seas to the south of India has been initiated.

It remains to consider the south-west monsoon rainfall of 1886 and to trace the variation to one or other of their probable causes.

So far as can be judged from the reports received of the snowfall of 1885-86, the snowfall in that winter was in no way exceptional in character. The normal amount apparently fell, and during the usual period. It therefore in no way accounts for the peculiar features of the rainfall distribution.

Also the mean pressure variations for the whole of India were unusually small, and the mean pressure antecedent to and during the rains was practically normal, much more so than has been the case for many years. There were hence no general abnormal pressure conditions common to the whole of India which will explain the weakness of the two currents, and more especially of the Bombay current during the months of August and September, and the consequent deficient rainfall over the Punjab, Central India, and the Central Provinces. Hence it appears probable that the abnormal conditions occasioning this large peculiarity of the monsoon circulation were not over the land and hence over the sea area to the south.

There were, on the other hand, some small but remarkably persistent abnormal variations of pressure, which appear to be directly related to the monsoon rainfall. These were :—

*1st.*—Diminished pressure in the Peninsula, more especially in the area represented by the stations of Sholapur, Belgaum, Secunderabad, Bellary and Masulipatam.

*2nd.*—Increased pressure over the greater part of Northern India. This was most strongly shewn at certain stations situated in the area usually occupied by the trough of low pressure during the rains, or at Agra, Jhansi, Hazaribagh and Sambalpur.

A reference to the barometric section will show that these features were more or less permanent during the whole year, and that they were as strongly marked for some time before the rains as during the rains.

There was throughout the whole monsoon a steady determination of rainfall to the low pressure area of the Peninsula, so that Hyderabad, the Bombay and Madras portions of the Deccan, and the Circars received unusually abundant rainfall. The whole of that area obtained unusually heavy rain in every month from June to September.

Again the existence of this low pressure area and the high belt of pressure to the north apparently gave a more directly westerly course to the Bombay current than usual. It only penetrated across Rajputana and the Central Provinces into the Punjab and North-Western Provinces during the height of the monsoon in June and July. After the first great burst of the monsoon was over, its influence became less and less in that area, and it finally retreated much earlier than usual. Also to the north of this area of increased pressure or large positive abnormal variations or in Northern India, pressure was lowest relatively to the mean in the eastern portion or in Behar and to a less extent in Bengal; there was a slight but marked deficiency of pressure in Behar, which increased during the rains. The Bengal current hence gave steady but abundant rain over the whole of Bengal and Behar and the eastern districts of the North-West Provinces. The deter-

mination of rainfall to Behar, more especially Central and South Behar, is however hardly explicable by the *actual* variations as they are small in amount. Unfortunately these variations depend on the observations at Gya and Patna, the first of which have been more or less unsatisfactory for years, notwithstanding every effort of the department to secure accurate observations. The Observatory at Patna also worked under very unsatisfactory conditions during the year in consequence of a change of observer, and hence the pressure relations of this area at that time are very doubtful.

The low pressure in Ganjam and Circars, in common with that of the Deccan, became intensified during the latter part of the rains. It was apparently directly connected with the peculiar conditions of the first half of October and with the marked determination of a succession of storms to that area in October and November.

These remarks are sufficient to show that there was a direct relation between the pressure anomalies of the year and the local variations of rainfall, and that they do, to some extent at least, give a key to the persistent local irregularities of the rainfall distribution during the south-west monsoon.

## EXPLANATION OF THE PLATES.

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PLATE I.—*Frontispiece*.—A chart of India, showing the positions of the meteorological observatories and rain-gauge stations in 1886.

PLATES II TO IV.—Charts showing the mean distribution of temperature and pressure, and the resultant wind directions in each month of 1886.

TEMPERATURE.—The data for the isotherms are given in Table VI of the Appendix. The isotherms (in red) represent increments of 5° Fahrenheit; and the figures, indicating their respective values, are placed on the side of the higher temperature.

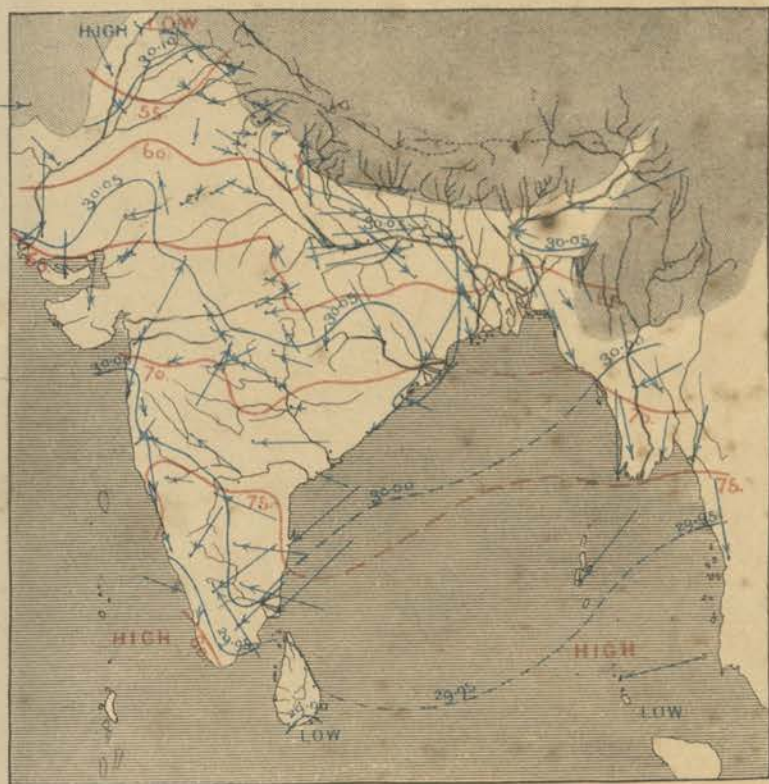
PRESSURE.—The data for the isobars are given in Table VIII of the Appendix. The isobars (in blue) are given for each twentieth of an inch, and their values are marked by the figures on the side of the higher pressure.

WIND DIRECTIONS.—These are the resultants computed by Lambert's formula from the observations, an equal value being assigned to each. Their values are given in Table IX of the Appendix. The arrows show the direction of the resultant, the point of the arrows indicating the station; and by their respective lengths, the percentage of the observations expressing the numerical value of the resultant in each case; five-eighths of an inch being equal to 100 per cent.

PLATE V.—Chart showing the tracks of the storms originating in the Bay of Bengal in 1886.



JANUARY 1886.



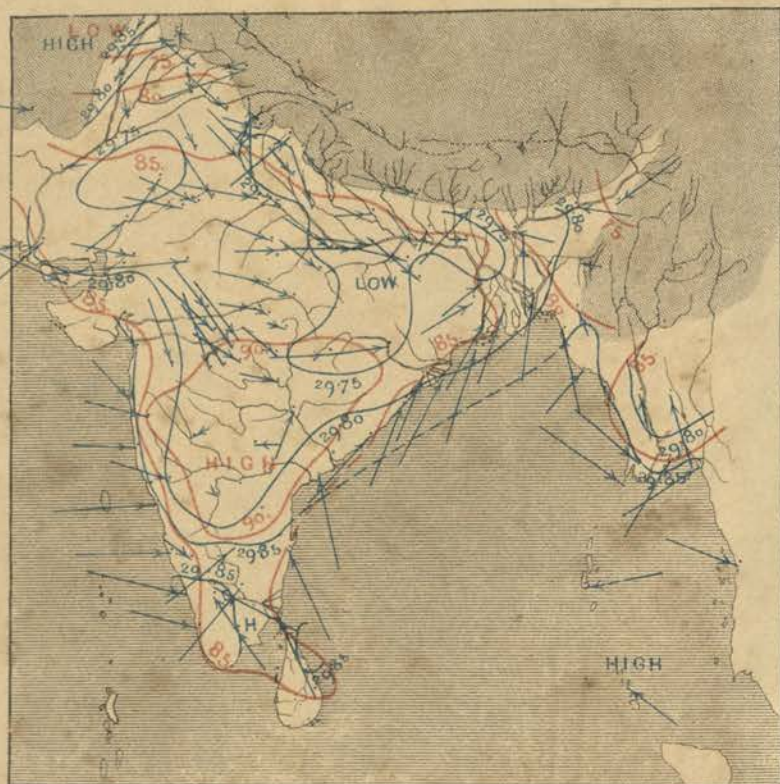
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MARCH 1886.



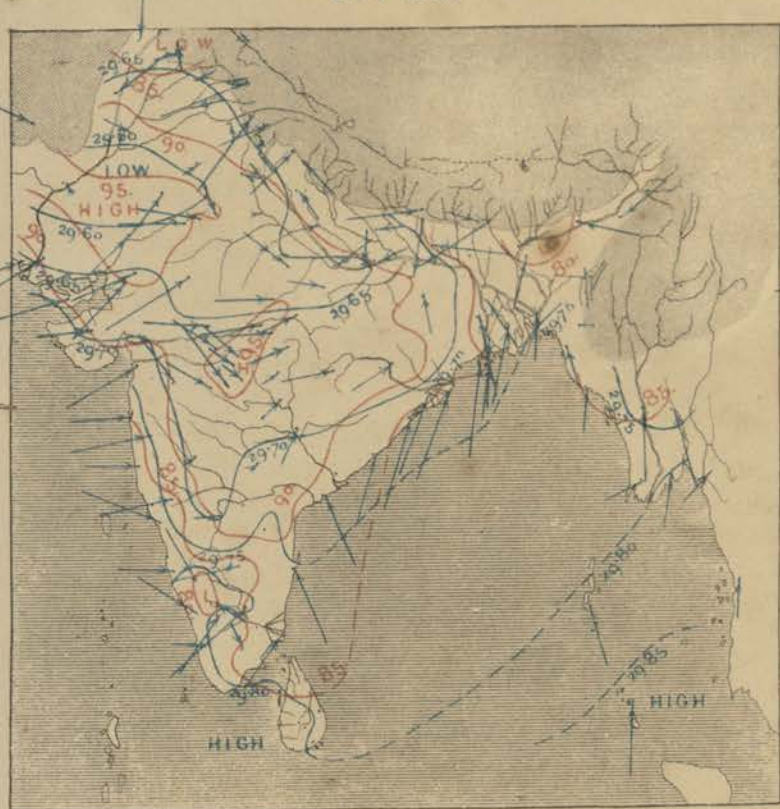
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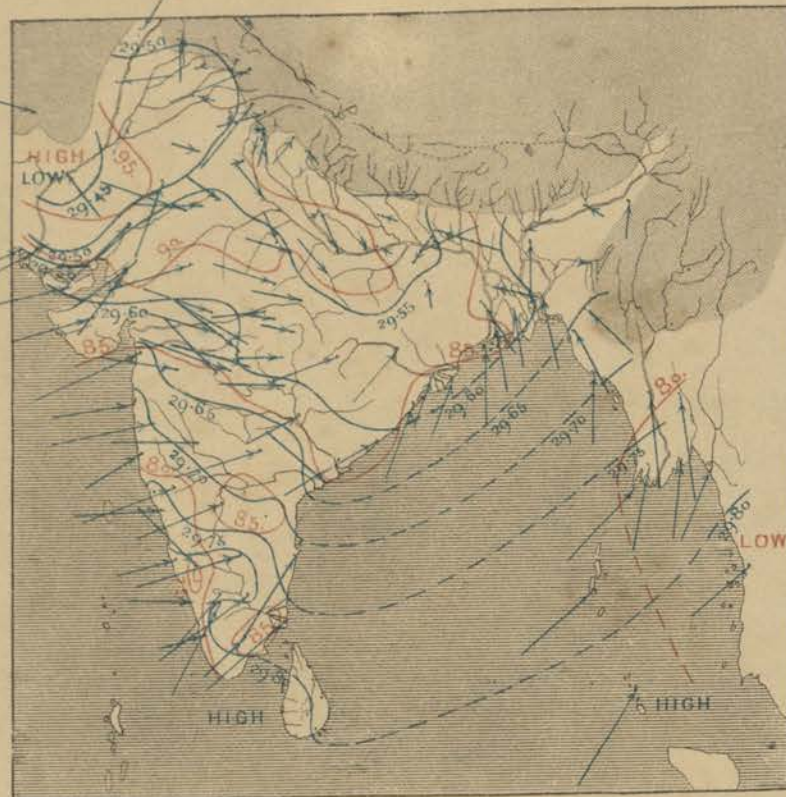




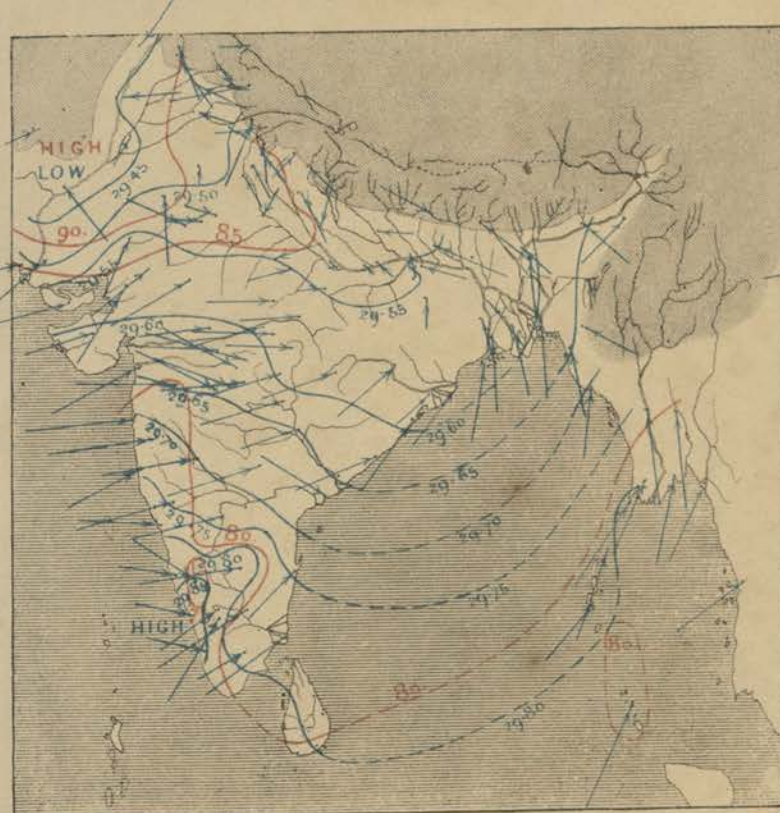
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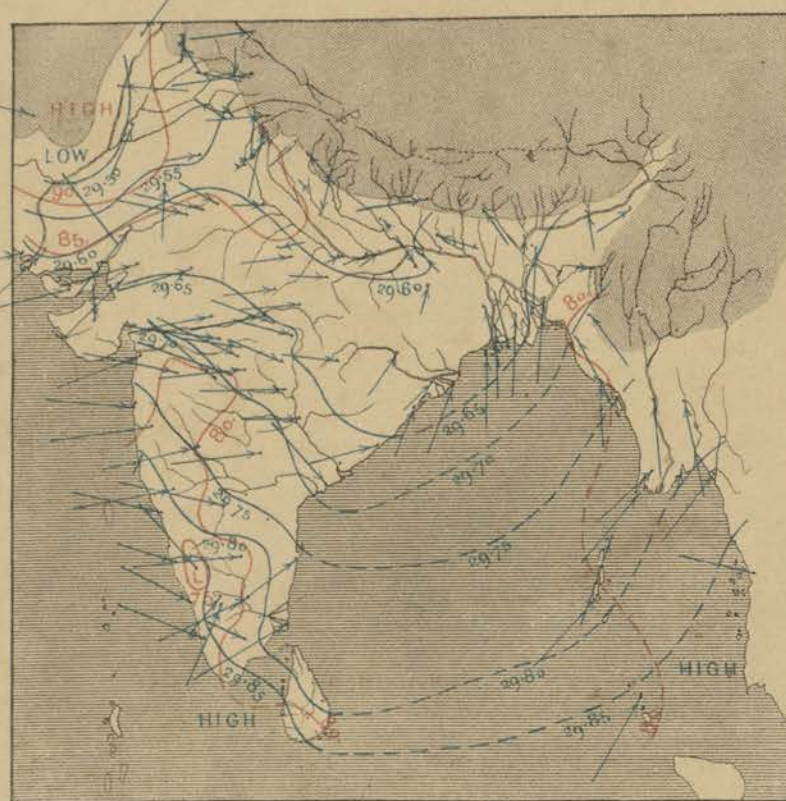
JUNE 1886.



JULY 1886.



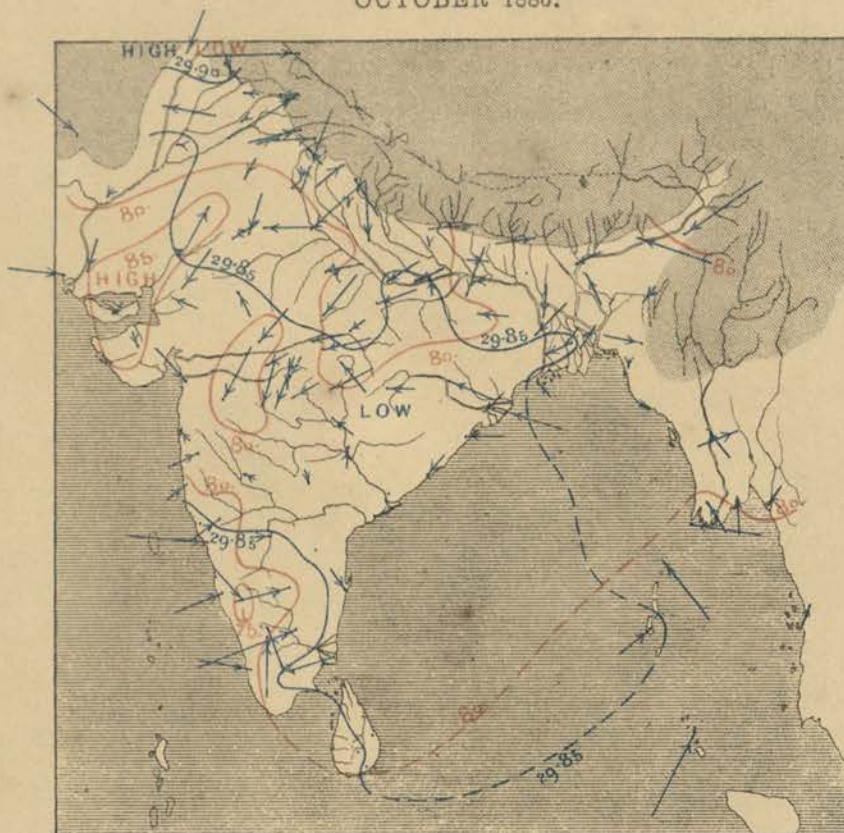
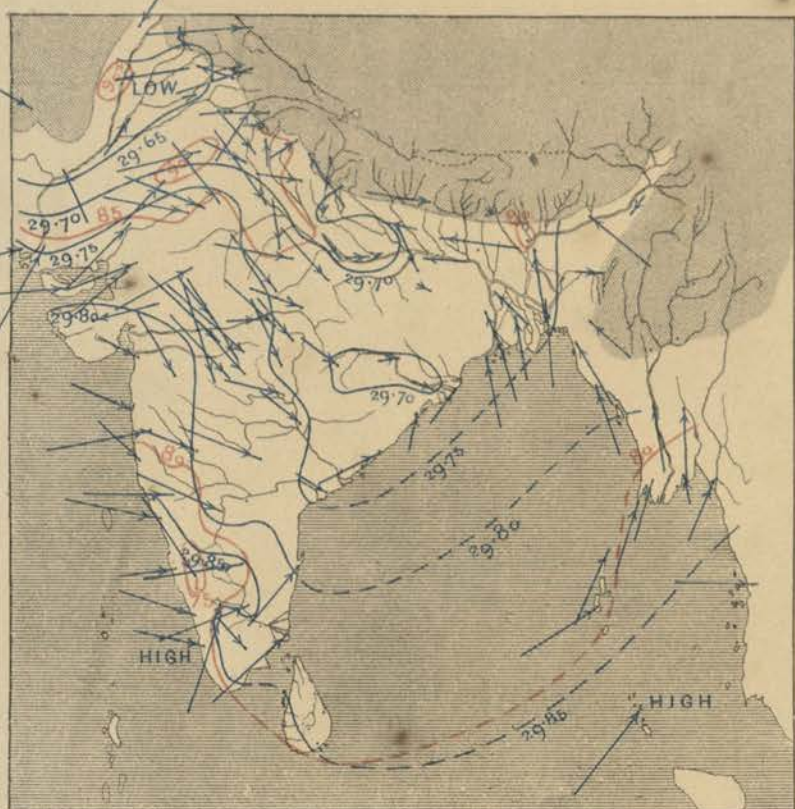
AUGUST 1886.



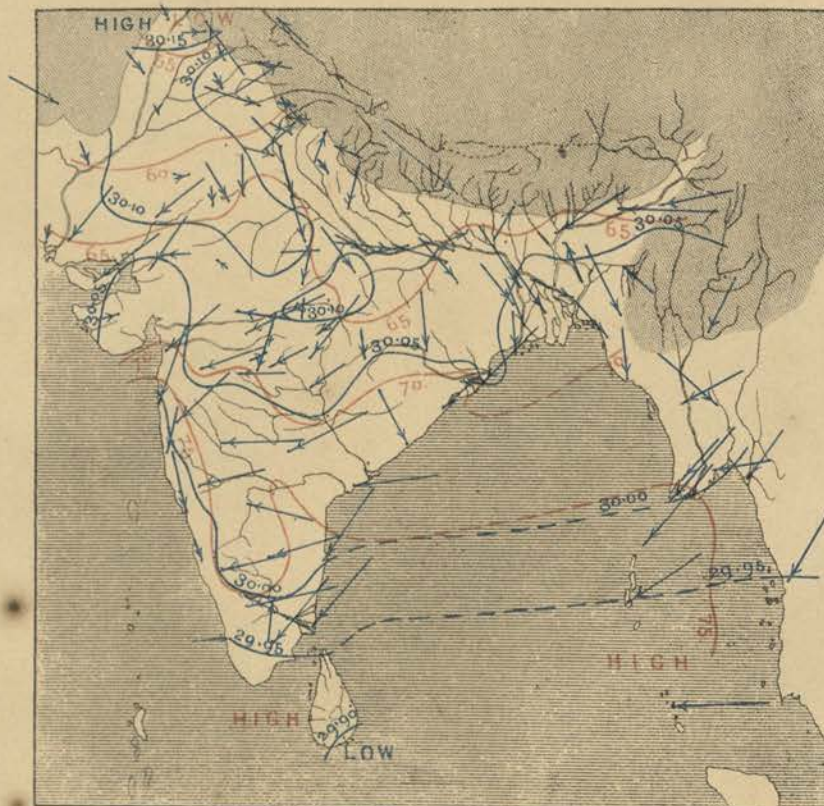
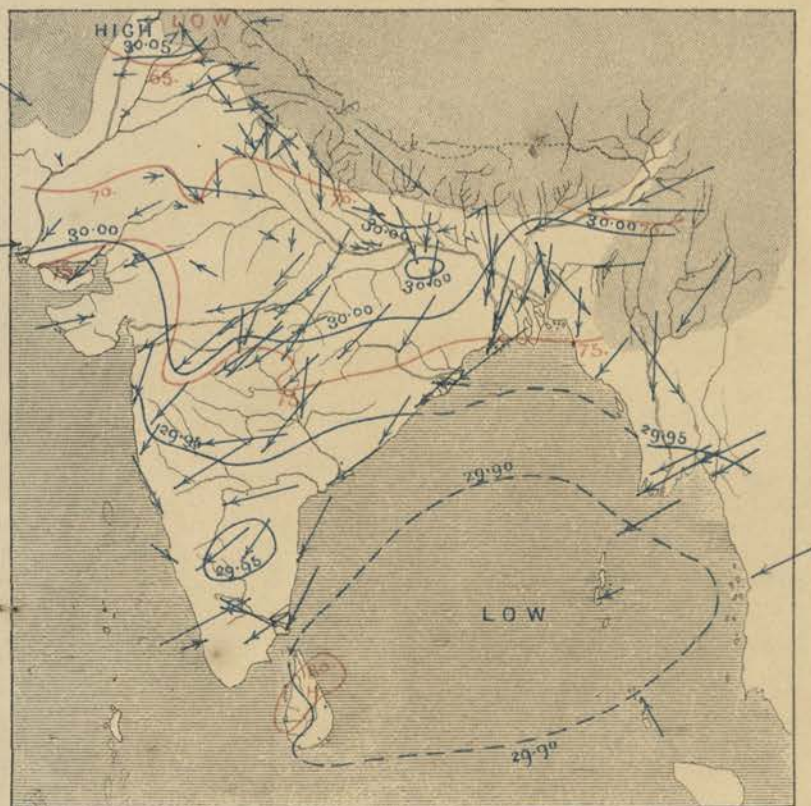




OCTOBER 1886.

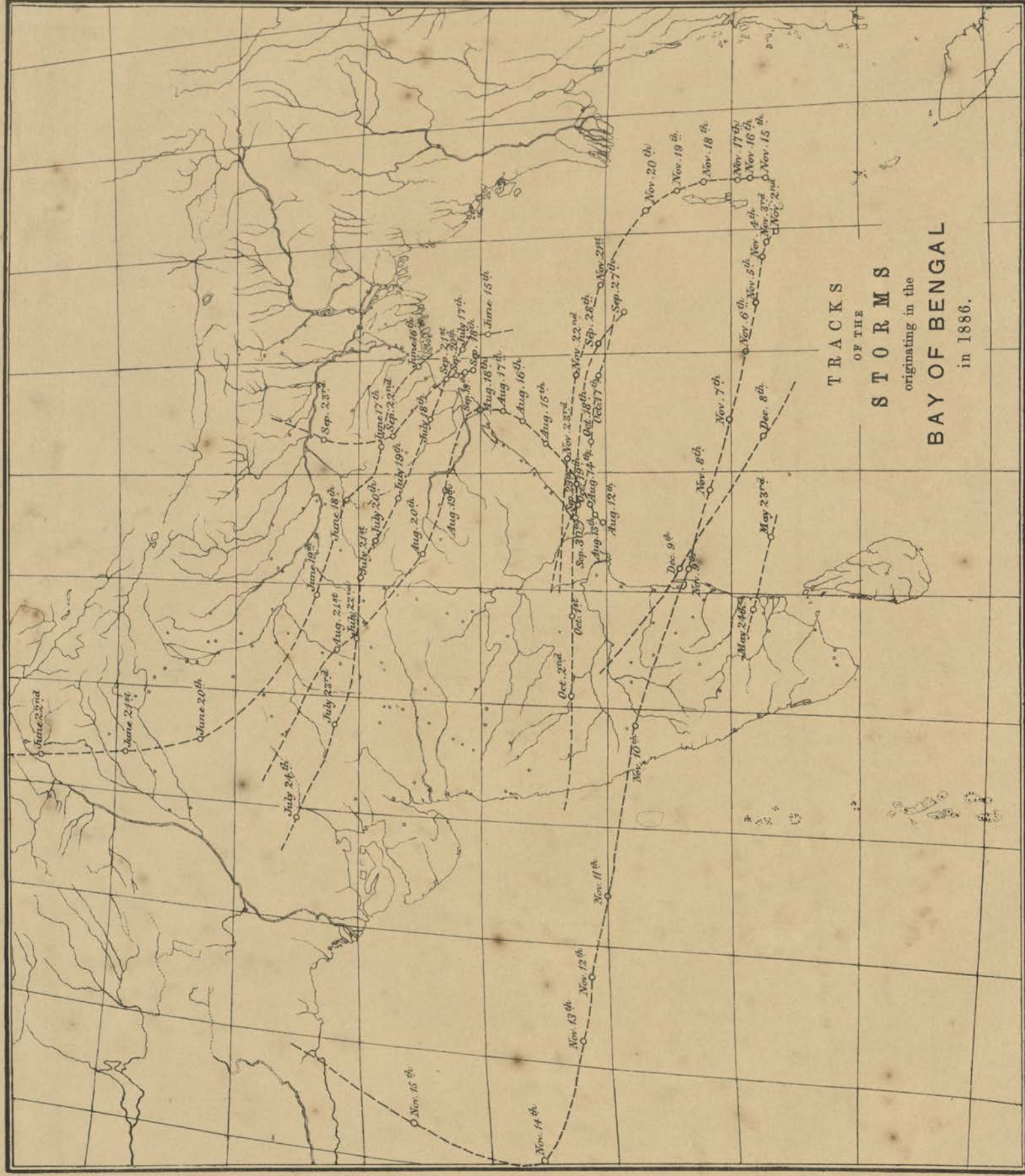


DECEMBER 1886.













# APPENDIX.

## Abstract of Meteorological Registers for the year 1886.

TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886. (109 STATIONS).

1. ADEN (corrected).\*

2. BUSHIRE (corrected).††

| MONTH.            | Mean.   | MAXIMUM.              |       | MINIMUM.       |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM.                      |       | MINIMUM.              |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|---------|-----------------------|-------|----------------|-------|----------------------------|---------------|---------------|-------|-------------------------------|-------|-----------------------|-------|----------------------------|---------------|---------------|
|                   |         | Day.                  | o     | Day.           | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.                          | o     | Day.                  | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 135°2   | 8th                   | 146°3 | 17th           | 106°3 | 53°0                       | 63°8          | 23°8          | 134°2 | 4th, 5th, 7th,<br>8th & 11th. | 137°9 | 31st                  | 127°9 | 68°1                       | 75°2          | 58°3          |
| February . . .    | 136°0†  | 22nd, 23rd &<br>25th. | 142°3 | 12th           | 130°3 | 54°4†                      | 60°0          | 48°0          | 139°2 | 1st to 5th                    | 142°9 | 28th                  | 132°9 | 71°3§§                     | 75°2          | 62°3          |
| March . . .       | 142°4‡  | 13th & 29th           | 152°3 | 2nd &<br>16th. | 137°3 | 55°2§                      | 67°0          | 50°5          | 143°7 | 11th to 14th                  | 153°9 | 2nd                   | 131°9 | 72°1                       | 83°7          | 59°8          |
| April . . .       | 142°9   | 24th                  | 148°3 | 16th           | 136°3 | 51°1                       | 57°6          | 46°0          | 153°7 | 25th & 26th                   | 166°9 | 16th                  | 143°9 | 69°6                       | 78°3          | 62°3          |
| May . . .         | 143°2¶  | 26th & 27th           | 149°3 | 28th           | 103°3 | 49°5¶                      | 54°2          | 7°8           | 159°9 | 11th                          | 167°9 | 5th to 10th           | 156°9 | 66°5                       | 81°3          | 60°4          |
| June . . .        | 144°1** | 7th                   | 151°3 | 22nd           | 138°3 | 48°2**                     | 52°0          | 44°0          | 160°7 | 25th                          | 165°9 | 6th                   | 154°9 | 66°5                       | 71°3          | 58°4          |
| July . . .        | 142°9†† | 18th                  | 150°3 | 28th           | 133°3 | 47°5††                     | 55°0          | 38°0          | 159°1 | 15th                          | 166°9 | 11th, 12th<br>& 14th. | 154°9 | 63°2                       | 68°4          | 58°4          |
| August . . .      | 141°4‡  | 21st                  | 152°3 | 20th           | 123°3 | 48°9‡                      | 58°0          | 34°8          | 159°8 | 6th                           | 164°9 | 31st                  | 155°4 | 62°5                       | 66°4          | 59°4          |
| September . .     |         | Not recorded.         |       |                |       |                            |               |               | 157°3 | 1st                           | 164°9 | 23rd                  | 133°9 | 63°2                       | 70°4          | 43°3          |
| October . . .     |         | Ditto.                |       |                |       |                            |               |               | 153°3 | 18th & 21st                   | 158°9 | 28th                  | 140°9 | 67°3                       | 75°3          | 57°3          |
| November . . .    |         | Ditto.                |       |                |       |                            |               |               | 147°4 | 1st, 4th &<br>6th.            | 150°9 | 26th                  | 142°9 | 69°7                       | 76°8          | 57°3          |
| December . . .    |         | Ditto.                |       |                |       |                            |               |               | 133°0 | 1st                           | 147°4 | 14th                  | 122°9 | 64°7                       | 81°2          | 48°3          |
| Year . . .        | ...     | ...                   | ...   | ...            | ...   | ...                        | ...           | ...           | 150°1 | ...                           | 167°9 | ...                   | 122°9 | 67°1                       | 83°7          | 43°3          |
| Means of extremes | ...     | ...                   | ...   | ...            | ...   | ...                        | ...           | ...           | ...   | ...                           | 157°4 | ...                   | 141°6 | ...                        | 75°3          | 57°1          |

\* On a stand 5 feet high.

§ Mean of 25 days.

\*\* Mean of 20 days.

†† On a stand 3 feet 9½ inches high.

||| Mean of 30 days.

† Mean of 24 days.

|| „ „ 28 „

†† „ „ 29 „

§§ Mean of 26 days.

||| „ „ 30 „

3. AMINI DIVI (corrected).

4. QUETTA (corrected).\*

| MONTH.            | Mean. | MAXIMUM.               |       | MINIMUM.  |       | DIFFERENCE, SUN AND SHADE.     |               |               | Mean. | MAXIMUM. |       | MINIMUM.    |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|------------------------|-------|-----------|-------|--------------------------------|---------------|---------------|-------|----------|-------|-------------|-------|----------------------------|---------------|---------------|
|                   |       | Day.                   | o     | Day.      | o     | Mean.                          | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o     | Day.        | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 149°1 | 26th                   | 155°0 | 12th      | 143°8 | 64°3                           | 70°8          | 59°4          | 106°6 | 2nd      | 128°6 | 21st        | 59°6  | 60°5                       | 82°7          | 18°2          |
| February . . .    | 152°8 | 12th & 21st            | 157°8 | 1st & 3rd | 149°3 | 66°4                           | 71°1          | 62°6          | 115°2 | 20th     | 140°3 | 22nd        | 69°4  | 67°3                       | 85°8          | 18°4          |
| March . . .       | 155°1 | 7th, 12th &<br>15th.   | 162°8 | 26th      | 143°8 | 66°1                           | 73°6          | 57°6          | 129°2 | 28th     | 152°3 | 5th         | 82°6  | 69°0                       | 84°0          | 30°4          |
| April . . .       |       | Register not received. |       |           |       |                                |               |               | 146°4 | 27th     | 160°6 | 1st         | 126°0 | 70°6                       | 82°2          | 57°1          |
| May . . .         |       | Imperfect.             |       |           |       |                                |               |               | 148°0 | 1st      | 161°1 | 3rd         | 121°0 | 64°3                       | 80°4          | 47°7          |
| June . . .        | 134°0 | 11th                   | 150°2 | 14th      | 97°3  | Shade Maximum out<br>of order. |               |               | 156°4 | 30th     | 169°3 | 1st         | 145°9 | 65°2                       | 76°4          | 60°1          |
| July . . .        | 121°2 | 31st                   | 141°6 | 24th      | 97°2  | Ditto.                         |               |               | 158°5 | 3rd      | 172°1 | 25th        | 146°1 | 65°3                       | 74°6          | 56°2          |
| August . . .      | 132°7 | 31st                   | 152°0 | 4th       | 98°2  | Ditto.                         |               |               | 156°2 | 5th      | 163°1 | 8th         | 150°6 | 64°8                       | 74°2          | 59°4          |
| September . .     | 138°1 | 27th                   | 153°3 | 6th       | 84°3  | Ditto.                         |               |               | 152°1 | 8th      | 168°1 | 17th & 18th | 144°1 | 64°7                       | 77°2          | 60°2          |
| October . . .     | 146°7 | 7th                    | 153°9 | 26th      | 99°4  | Ditto.                         |               |               | 141°2 | 20th     | 151°1 | 27th & 29th | 132°1 | 65°6                       | 78°6          | 62°5          |
| November . . .    | 150°7 | 14th                   | 159°4 | 10th      | 105°4 | Ditto.                         |               |               | 130°0 | 15th     | 146°1 | 16th        | 102°6 | 63°7                       | 78°0          | 37°6          |
| December . . .    | 149°7 | 7th                    | 157°5 | 15th      | 88°0  | Ditto.                         |               |               | 120°5 | 6th      | 140°3 | 21st        | 101°1 | 66°7                       | 81°6          | 53°5          |
| Year . . .        | ...   | ...                    | ...   | ...       | ...   | ...                            | ...           | ...           | 138°4 | ...      | 172°1 | ...         | 59°6  | 65°6                       | 85°8          | 18°2          |
| Means of extremes | ...   | ...                    | ...   | ...       | ...   | ...                            | ...           | ...           | ...   | ...      | 154°4 | ...         | 115°1 | ...                        | 79°6          | 46°8          |

\* On a stand 3 feet 10 inches high.

TABLE 1.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

## 5. LEH (corrected).\*

## 6. MOOLTAN (corrected).†

| MONTH.            | Mean.  | MAXIMUM. |       | MINIMUM.    |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM.    |       | MINIMUM.           |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|--------|----------|-------|-------------|-------|----------------------------|---------------|---------------|-------|-------------|-------|--------------------|-------|----------------------------|---------------|---------------|
|                   |        | Day.     | o     | Day.        | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.        | o     | Day.               | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 86.9   | 15th     | 109.1 | 3rd         | 45.6  | 56.3†                      | 75.3          | 24.5          | 121.4 | 30th        | 134.2 | 17th               | 92.6  | 54.0§                      | 65.9          | 30.3          |
| February . . .    | 92.7   | 27th     | 118.6 | 17th        | 55.1  | 61.1                       | 77.7          | 28.7          | 128.3 | 28th        | 139.4 | 14th               | 116.2 | 58.9                       | 65.1          | 47.9          |
| March . . .       | 109.5† | 19th     | 131.6 | 31st        | 80.6  | 65.5†                      | 80.3          | 33.2          | 137.5 | 22nd        | 148.2 | 7th                | 98.4  | 56.8                       | 68.9          | 30.1          |
| April . . .       | 116.5  | 20th     | 129.6 | 1st         | 67.6  | 66.3                       | 82.4          | 37.2          | 154.0 | 27th        | 166.1 | 10th               | 140.6 | 57.2                       | 64.0          | 49.2          |
| May . . .         | 123.1  | 24th     | 136.6 | 20th        | 100.6 | 61.3                       | 76.0          | 46.2          | 160.5 | 27th & 28th | 168.1 | 30th               | 141.1 | 55.6                       | 62.8          | 38.8          |
| June . . .        | 125.5  | 20th     | 147.6 | 21st        | 88.6  | 57.1                       | 72.7          | 29.4          | 160.1 | 12th        | 165.1 | 1st & 7th          | 155.1 | 53.6                       | 57.8          | 49.8          |
| July . . .        | 132.2  | 31st     | 141.1 | 27th        | 98.1  | 54.9                       | 64.2          | 30.2          | 151.6 | 2nd         | 164.1 | 27th               | 111.1 | 48.7                       | 55.9          | 13.5          |
| August . . .      | 134.6  | 8th      | 143.5 | 9th         | 123.6 | 56.6                       | 64.7          | 47.6          | 147.6 | 1st & 17th  | 153.1 | 22nd, 25th & 26th. | 144.1 | 45.3                       | 51.0          | 39.0          |
| September . . .   | 125.7  | 6th      | 133.6 | 17th & 29th | 120.6 | 55.1                       | 62.7          | 49.7          | 145.3 | 2nd         | 153.1 | 19th               | 141.1 | 43.5                       | 47.5          | 41.5          |
| October . . .     | 116.3  | 1st      | 129.6 | 7th         | 92.6  | 56.7                       | 67.7          | 41.7          | 138.2 | 23rd        | 148.1 | 7th                | 101.1 | 42.2                       | 52.5          | 12.5          |
| November . . .    | 105.9  | 8th      | 116.6 | 24th        | 93.6  | 56.5                       | 63.9          | 48.7          | 136.7 | 6th         | 144.1 | 24th & 25th        | 127.1 | 53.6                       | 60.5          | 51.4          |
| December . . .    | 95.0   | 11th     | 110.6 | 8th         | 68.6  | 55.2                       | 71.3          | 31.7          | 127.4 | 6th & 7th   | 137.1 | 28th & 29th        | 121.1 | 53.5                       | 57.5          | 50.0          |
| Year . . .        | 113.7  | ...      | 147.6 | ...         | 45.6  | 58.6                       | 82.4          | 24.5          | 142.4 | ...         | 168.1 | ...                | 92.6  | 51.9                       | 68.9          | 12.5          |
| Means of extremes | ...    | ...      | 129.0 | ...         | 86.3  | ...                        | 71.6          | 37.4          | ...   | ...         | 151.7 | ...                | 124.1 | ...                        | 59.1          | 37.8          |

\* On a stand 4 feet 6 inches high.

† Mean of 30 days.

‡ On a stand 3 feet 7 inches high.

§ Mean of 30 days.

## 7. PESHAWAR (corrected).\*

## 8. MURREE (corrected).†

| MONTH.            | Mean.  | MAXIMUM.    |       | MINIMUM.    |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean.         | MAXIMUM.    |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|--------|-------------|-------|-------------|-------|----------------------------|---------------|---------------|---------------|-------------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |        | Day.        | o     | Day.        | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |               | Day.        | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 107.7  | 10th & 11th | 130.6 | 23rd        | 63.6  | 46.4                       | 62.3          | 12.4          | 95.6§         | 24th        | 124.9 | 23rd     | 39.4  | 50.1§                      | 81.2          | 4.8           |
| February . . .    | 121.2  | 24th        | 136.6 | 16th        | 74.6  | 59.2                       | 71.3          | 20.3          | 112.3         | 24th        | 131.1 | 15th     | 53.9  | 68.5                       | 90.7          | 18.5          |
| March . . .       | 131.0  | 23rd        | 151.6 | 29th        | 71.6  | 58.4                       | 78.7          | 8.8           | Imperfect.    |             |       |          |       |                            |               |               |
| April . . .       | 147.9  | 27th        | 160.6 | 1st         | 130.6 | 64.3                       | 77.7          | 58.1          | Not recorded. |             |       |          |       |                            |               |               |
| May . . .         | 155.2  | 26th        | 163.4 | 10th        | 140.9 | 59.3                       | 69.4          | 52.5          | 137.3¶        | 19th        | 143.5 | 10th     | 120.1 | 63.5¶                      | 74.8          | 54.7          |
| June . . .        | 159.9  | 13th        | 169.6 | 20th        | 128.6 | 55.7                       | 62.6          | 30.6          | 143.3         | 21st & 28th | 154.5 | 22nd     | 97.5  | 62.4                       | 76.9          | 28.6          |
| July . . .        | 160.8  | 26th        | 167.6 | 11th        | 150.6 | 58.2                       | 74.9          | 50.1          | 138.2         | 2nd         | 152.8 | 27th     | 107.5 | 63.4                       | 75.0          | 41.7          |
| August . . .      | 160.2  | 15th        | 171.6 | 16th & 19th | 154.6 | 60.2                       | 72.1          | 55.6          | 138.2         | 27th        | 153.5 | 16th     | 113.5 | 64.0                       | 78.0          | 44.9          |
| September . . .   | 157.6  | 4th         | 164.8 | 27th        | 147.8 | 59.9                       | 69.6          | 56.6          | 137.0         | 1st         | 152.3 | 27th     | 126.5 | 61.5                       | 73.9          | 54.8          |
| October . . .     | 146.7  | 6th         | 157.6 | 7th         | 138.6 | 57.2                       | 63.1          | 54.5          | 129.4§        | 1st         | 133.3 | 7th      | 118.1 | 60.1§                      | 62.7          | 54.9          |
| November . . .    | 131.1  | 11th & 15th | 141.6 | 16th        | 81.6  | 52.4                       | 61.0          | 17.7          | 121.6         | 29th        | 134.4 | 25th     | 82.9  | 58.7                       | 72.9          | 37.0          |
| December . . .    | 120.6† | 6th         | 135.3 | 21st        | 93.3  | 53.0†                      | 62.1          | 28.9          | 112.2**       | 8th         | 128.3 | 24th     | 76.9  | 58.6**                     | 67.1          | 36.2          |
| Year . . .        | 141.7  | ...         | 171.6 | ...         | 63.6  | 57.0                       | 78.7          | 8.8           | ...           | ...         | ...   | ...      | ...   | ...                        | ...           | ...           |
| Means of extremes | ...    | ...         | 154.2 | ...         | 114.7 | ...                        | 68.7          | 37.2          | ...           | ...         | ...   | ...      | ...   | ...                        | ...           | ...           |

\* On a stand 2 feet 10 inches high.

† Mean of 28 days.

‡ On a stand 3 feet 8 inches high.

§ Mean of 29 days.

|| Mean of 30 days.

\*\* " " 25 "

|| " " 27 "

TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

3

## 9. RAWALPINDI (corrected).\*

## 10. SIALKOT (corrected).\*

| MONTH.            | Mean.   | MAXIMUM.        |       | MINIMUM.    |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean.         | MAXIMUM.    |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|---------|-----------------|-------|-------------|-------|----------------------------|---------------|---------------|---------------|-------------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |         | Day.            | o     | Day.        | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |               | Day.        | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 109.8†  | 25th            | 121.3 | 2nd         | 77.1  | 48.6†                      | 61.0          | 21.0          | 86.4          | 18th        | 100.8 | 23rd     | 67.0  | 22.8                       | 34.0          | 7.3           |
| February . . .    | 117.1‡  | 25th & 27th     | 132.1 | 7th         | 103.1 | 55.5‡                      | 66.0          | 30.9          | 99.2          | 28th        | 120.0 | 17th     | 75.4  | 31.6                       | 40.3          | 16.0          |
| March . . .       | 132.2§  | 24th            | 146.1 | 18th        | 104.1 | 58.1§                      | 66.3          | 33.1          | 110.1         | 31st        | 127.0 | 8th      | 69.0  | 34.3                       | 49.8          | 9.9           |
| April . . .       | 144.1   | 28th            | 158.1 | 2nd         | 129.1 | 57.5                       | 70.6          | 48.4          | 145.7         | 28th & 29th | 163.1 | 2nd      | 120.5 | 51.7                       | 59.2          | 37.6          |
| May . . .         | 154.1   | 27th            | 170.1 | 7th         | 135.9 | 58.3                       | 75.0          | 49.9          | Imperfect.    |             |       |          |       |                            |               |               |
| June . . .        | 157.1¶  | 13th            | 168.6 | 22nd        | 130.1 | 55.4¶                      | 72.1          | 46.1          | Not recorded. |             |       |          |       |                            |               |               |
| July . . .        | 156.5   | 6th             | 171.3 | 14th        | 135.1 | 59.9                       | 71.3          | 45.6          | 148.2         | 7th         | 158.1 | 27th     | 127.0 | 54.5                       | 61.9          | 42.1          |
| August . . .      | 150.3   | 3rd             | 160.3 | 18th        | 145.2 | 56.5                       | 68.3          | 48.2          | 146.7         | 1st         | 159.5 | 25th     | 139.9 | 52.5                       | 62.3          | 47.9          |
| September . . .   | 149.1   | 2nd             | 157.1 | 8th         | 142.1 | 52.6                       | 58.0          | 49.3          | 145.7         | 4th & 22nd  | 149.5 | 3rd      | 140.1 | 47.0                       | 55.9          | 43.5          |
| October . . .     | 138.8   | 5th             | 148.7 | 6th         | 130.6 | 49.6                       | 56.7          | 39.7          | 133.9         | 1st         | 145.5 | 7th      | 116.5 | 42.6                       | 48.9          | 36.3          |
| November . . .    | 128.7** | 4th, 6th & 7th. | 134.1 | 25th & 27th | 121.6 | 49.3**                     | 57.1          | 45.3          | 117.8         | 1st         | 127.5 | 16th     | 95.5  | 36.2                       | 40.8          | 22.8          |
| December . . .    | 115.7** | 3rd             | 127.1 | 10th        | 96.3  | 48.7**                     | 60.6          | 23.5          | 101.0††       | 4th         | 113.5 | 21st     | 73.0  | 30.8††                     | 37.6          | 10.4          |
| Year . . .        | 137.8   | ...             | 171.3 | ...         | 77.1  | 54.2                       | 75.0          | 21.0          | ...           | ...         | ...   | ...      | ...   | ...                        | ...           | ...           |
| Means of extremes | ...     | ...             | 149.6 | ...         | 120.9 | ...                        | 65.3          | 40.1          | ...           | ...         | ...   | ...      | ...   | ...                        | ...           | ...           |

† Mean of 23 days.

|| Mean of 30 days.

\* On a stand 3 feet 10 inches high.

†† Mean of 30 days.

‡ " " 24 "

¶ " " 29 "

§ " " 25 "

\*\* " " 28 "

## 11A. LAHORE (NEW) (corrected).\*

## 11B. LAHORE (OLD). (corrected).†

| MONTH.            | Mean. | MAXIMUM.         |       | MINIMUM.   |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean.      | MAXIMUM.             |       | MINIMUM.    |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|------------------|-------|------------|-------|----------------------------|---------------|---------------|------------|----------------------|-------|-------------|-------|----------------------------|---------------|---------------|
|                   |       | Day.             | o     | Day.       | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |            | Day.                 | o     | Day.        | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 116.6 | 10th             | 133.1 | 17th       | 64.6  | 52.9                       | 68.0          | 2.6           | 115.4      | 18th                 | 127.0 | 23rd        | 84.7  | 51.6                       | 62.7          | 27.3          |
| February . . .    | 132.4 | 28th             | 151.0 | 18th       | 111.0 | 64.3                       | 70.9          | 48.8          | 127.5      | 28th                 | 143.7 | 18th        | 106.7 | 59.6                       | 66.1          | 46.0          |
| March . . .       | 142.1 | 21st             | 156.5 | 7th        | 90.0  | 65.0                       | 79.6          | 31.0          | 135.2      | 22nd                 | 148.7 | 7th         | 73.7  | 57.7                       | 69.5          | 13.5          |
| April . . .       | 159.3 | 28th             | 183.0 | 9th        | 119.0 | 64.2                       | 73.9          | 34.1          | 153.6      | 28th                 | 175.2 | 9th         | 116.7 | 59.1                       | 66.3          | 32.8          |
| May . . .         | 163.7 | 3rd              | 175.0 | 15th       | 135.0 | 61.9                       | 73.9          | 38.9          | 159.8      | 24th                 | 169.5 | 15th        | 137.7 | 57.8                       | 67.9          | 41.6          |
| June . . .        | 161.5 | 5th              | 175.0 | 20th       | 113.5 | 59.2                       | 71.3          | 33.5          | 157.5      | 11th                 | 172.7 | 20th        | 105.7 | 54.9                       | 63.4          | 23.8          |
| July . . .        | 158.9 | 7th & 22nd       | 168.0 | 3rd        | 119.0 | 64.7                       | 76.1          | 31.0          | 153.0      | 8th & 12th           | 162.7 | 3rd         | 116.2 | 58.9                       | 70.9          | 34.3          |
| August . . .      | 160.8 | 1st              | 169.0 | 3rd & 10th | 153.0 | 63.9                       | 74.1          | 59.1          | 154.3      | 29th                 | 161.7 | 18th & 20th | 147.7 | 57.9                       | 64.4          | 54.3          |
| September . . .   | 162.0 | 2nd              | 174.0 | 17th       | 156.0 | 61.2                       | 74.7          | 58.1          | 157.4      | 2nd                  | 165.7 | 17th        | 152.9 | 56.7                       | 66.2          | 54.0          |
| October . . .     | 152.9 | 1st, 2nd & 20th. | 161.0 | 7th        | 138.0 | 61.5                       | 72.9          | 56.9          | 147.8      | 1st                  | 157.5 | 8th         | 140.2 | 56.9                       | 66.9          | 52.2          |
| November . . .    | 141.2 | 1st & 4th        | 150.0 | 17th       | 119.0 | 59.0                       | 62.7          | 47.6          | 136.7‡     | 1st, 2nd, 4th & 7th. | 143.7 | 17th        | 112.7 | 54.1‡                      | 58.0          | 40.8          |
| December . . .    | 130.1 | 21st             | 142.0 | 22nd       | 86.0  | 57.7                       | 69.2          | 20.0          | Imperfect. |                      |       |             |       |                            |               |               |
| Year . . .        | 148.5 | ...              | 183.0 | ...        | 64.6  | 61.3                       | 79.6          | 2.6           | ...        | ...                  | ...   | ...         | ...   | ...                        | ...           | ...           |
| Means of extremes | ...   | ...              | 161.5 | ...        | 117.0 | ...                        | 72.3          | 38.5          | ...        | ...                  | ...   | ...         | ...   | ...                        | ...           | ...           |

\* On a stand 3 feet 6 inches high.

† On a stand 3 feet 8 inches high.

" " 3 " 9 " " in June.

‡ Mean of 29 days.

" " 3 " 8 " " from July.

TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

## 12. SIMLA (corrected).\*

## 13. DELHI (corrected).†

| MONTH.            | Mean.  | MAXIMUM.    |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |          |          | Mean. | MAXIMUM.    |       | MINIMUM.                     |       | DIFFERENCE, SUN AND SHADE. |          |          |
|-------------------|--------|-------------|-------|----------|-------|----------------------------|----------|----------|-------|-------------|-------|------------------------------|-------|----------------------------|----------|----------|
|                   |        | Day.        | o     | Day.     | o     | Mean.                      | Maximum. | Minimum. |       | Day.        | o     | Day.                         | o     | Mean.                      | Maximum. | Minimum. |
| January . . .     | 107.8  | 6th         | 130.0 | 19th     | 60.0  | 59.5                       | 83.2     | 15.8     | 121.6 | 9th         | 129.7 | 14th, 21st, 27th & 28th, 4th | 118.7 | 51.8                       | 57.8     | 47.6     |
| February . . .    | 117.5  | 25th        | 129.9 | 1st      | 76.7  | 66.9                       | 79.8     | 43.0     | 128.9 | 27th        | 146.7 |                              | 117.7 | 54.4                       | 63.6     | 47.1     |
| March . . .       | 119.6  | 17th        | 136.9 | 8th      | 70.0  | 62.0                       | 78.0     | 25.3     | 141.2 | 23rd        | 156.7 | 10th                         | 131.7 | 56.4                       | 67.8     | 48.7     |
| April . . .       | 135.5  | 29th & 30th | 148.9 | 13th     | 100.0 | 65.4                       | 70.8     | 40.7     | 153.2 | 28th        | 167.7 | 1st & 2nd                    | 140.7 | 52.5                       | 58.2     | 43.7     |
| May . . .         | 135.8  | 4th         | 149.5 | 6th      | 82.5  | 62.1                       | 75.9     | 17.9     | 154.9 | 21st & 25th | 162.7 | 29th                         | 138.7 | 52.6                       | 62.7     | 46.2     |
| June . . .        | 133.9† | 14th        | 149.0 | 21st     | 110.0 | 57.8†                      | 69.1     | 40.9     | 152.3 | 11th        | 161.6 | 21st                         | 132.7 | 50.3                       | 59.2     | 41.7     |
| July . . .        | 120.6  | 28th        | 137.7 | 29th     | 100.5 | 50.8                       | 67.4     | 33.4     | 149.7 | 5th         | 157.2 | 11th                         | 132.7 | 57.5                       | 69.6     | 48.2     |
| August . . .      | 126.6  | 6th         | 143.2 | 13th     | 93.0  | 56.9                       | 73.6     | 26.4     | 148.8 | 11th        | 153.7 | 27th                         | 140.7 | 57.0                       | 65.6     | 50.9     |
| September . . .   | 134.9  | 12th        | 143.5 | 3rd      | 96.9  | 62.3                       | 71.5     | 30.6     | 147.0 | 1st & 4th   | 153.7 | 9th                          | 142.7 | 50.8                       | 62.6     | 45.6     |
| October . . .     | 131.3  | 1st         | 138.9 | 5th      | 103.5 | 64.2                       | 70.8     | 41.3     | 143.0 | 1st & 2nd   | 150.7 | 9th                          | 136.7 | 51.2                       | 62.4     | 46.7     |
| November . . .    | 126.5  | 21st        | 135.2 | 17th     | 93.0  | 65.2                       | 75.6     | 41.2     | 134.2 | 1st to 3rd  | 139.7 | 30th                         | 125.7 | 49.2                       | 56.1     | 45.2     |
| December . . .    | 116.9  | 7th         | 129.2 | 28th     | 86.9  | 62.0                       | 70.6     | 41.1     | 126.1 | 9th         | 134.7 | 30th                         | 121.0 | 50.2                       | 63.6     | 44.6     |
| Year . . .        | 125.6  | ...         | 149.5 | ...      | 60.0  | 61.3                       | 83.2     | 15.8     | 141.7 | ...         | 167.7 | ...                          | 117.7 | 52.8                       | 69.6     | 41.7     |
| Means of extremes | ...    | ...         | 139.3 | ...      | 89.4  | ...                        | 73.9     | 33.1     | ...   | ...         | 151.2 | ...                          | 131.6 | ...                        | 62.4     | 46.4     |

\* On a stand 4 feet high.

† Mean of 29 days.

‡ On a stand 3 feet 11 inches high.

## 14. SIRSA (corrected).\*

## 15. CHAKRATA (corrected).†

| MONTH.            | Mean.          | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |          |          | Mean. | MAXIMUM.   |       | MINIMUM.    |       | DIFFERENCE, SUN AND SHADE. |          |          |
|-------------------|----------------|----------|-------|----------|-------|----------------------------|----------|----------|-------|------------|-------|-------------|-------|----------------------------|----------|----------|
|                   |                | Day.     | o     | Day.     | o     | Mean.                      | Maximum. | Minimum. |       | Day.       | o     | Day.        | o     | Mean.                      | Maximum. | Minimum. |
| January . . .     | Untrustworthy. |          |       |          |       |                            |          |          | 109.3 | 11th       | 127.9 | 22nd        | 64.1  | 60.2                       | 76.2     | 20.7     |
| February . . .    |                |          |       |          |       |                            |          |          | 126.4 | 15th       | 132.6 | 26th        | 103.6 | 75.9                       | 94.0     | 41.8     |
| March . . .       |                |          |       |          |       |                            |          |          | 121.0 | 13th       | 141.1 | 10th        | 89.5  | 63.3                       | 83.8     | 35.8     |
| April . . .       |                |          |       |          |       |                            |          |          | 133.6 | 23rd       | 146.9 | 1st         | 119.1 | 65.1                       | 70.9     | 58.8     |
| May . . .         |                |          |       |          |       |                            |          |          | 129.6 | 14th       | 141.1 | 16th        | 96.1  | 60.5                       | 74.0     | 35.8     |
| June . . .        |                |          |       |          |       |                            |          |          | 138.0 | 16th       | 147.1 | 19th        | 110.7 | 64.1                       | 73.8     | 40.4     |
| July . . .        | Imperfect.     |          |       |          |       |                            |          |          | 127.6 | 12th       | 144.1 | 3rd         | 77.1  | 57.8                       | 74.3     | 16.8     |
| August . . .      |                |          |       |          |       |                            |          |          | 129.4 | 9th & 11th | 142.1 | 2nd         | 89.1  | 60.6                       | 73.5     | 17.8     |
| September . . .   |                | 4th      | 170.2 | 9th      | 156.8 | 58.6                       | 66.5     | 56.0     | 134.4 | 13th       | 151.1 | 2nd         | 115.1 | 64.7                       | 80.8     | 49.8     |
| October . . .     |                | 2nd      | 166.6 | 7th      | 148.8 | 61.2                       | 66.7     | 57.0     | 130.5 | 2nd        | 153.1 | 24th & 31st | 122.1 | 63.3                       | 82.8     | 55.8     |
| November . . .    |                | 5th      | 153.5 | 27th     | 135.5 | 58.5                       | 62.0     | 56.2     | 120.1 | 8th        | 127.5 | 11th        | 113.0 | 59.7                       | 65.2     | 51.1     |
| December . . .    |                | 3rd      | 146.8 | 22nd     | 120.6 | 58.4                       | 64.1     | 47.1     | 116.4 | 7th & 11th | 123.1 | 23rd        | 105.1 | 60.6                       | 80.0     | 54.3     |
| Year . . .        | ...            | ...      | ...   | ...      | ...   | ...                        | ...      | ...      | 126.4 | ...        | 153.1 | ...         | 64.1  | 63.0                       | 94.0     | 16.8     |
| Means of extremes | ...            | ...      | ...   | ...      | ...   | ...                        | ...      | ...      | ...   | ...        | 139.8 | ...         | 100.4 | ...                        | 77.4     | 39.9     |

\* On a stand 3 feet 5 inches high.

† On a stand 2 feet 10½ inches high.

TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

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16. DEHRA. (*corrected*).\*17. MUSSOOREE G. T. S. Office (*uncorrected*).||

| MONTH.            | Mean.  | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM. |       | MINIMUM. |      | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|--------|----------|-------|----------|-------|----------------------------|---------------|---------------|-------|----------|-------|----------|------|----------------------------|---------------|---------------|
|                   |        | Day.     | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o     | Day.     | o    | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 114'2† | 31st     | 128'4 | 4th      | 59'2  | 50'2†                      | 62'2          | 9'4           | ...   | ...      | ...   | ...      | ...  | ...                        | ...           | ...           |
| February . . .    | 122'6  | 28th     | 137'2 | 1st      | 74'0  | 54'9†                      | 64'1          | 10'3          | ...   | ...      | ...   | ...      | ...  | ...                        | ...           | ...           |
| March . . .       | 130'0  | 24th     | 145'9 | 9th      | 80'1  | 55'5                       | 71'2          | 20'0          | ...   | ...      | ...   | ...      | ...  | ...                        | ...           | ...           |
| April . . .       | 145'4  | 28th     | 157'9 | 1st      | 130'1 | 57'2§                      | 61'1          | 47'6          | ...   | ...      | ...   | ...      | ...  | ...                        | ...           | ...           |
| May . . .         | 144'3  | 14th     | 156'0 | 6th      | 95'2  | 54'6                       | 67'1          | 11'8          | ...   | ...      | ...   | ...      | ...  | ...                        | ...           | ...           |
| June . . .        | 147'7  | 16th     | 168'0 | 19th     | 107'8 | 55'9                       | 70'5          | 25'6          | ...   | ...      | ...   | ...      | ...  | ...                        | ...           | ...           |
| July . . .        | 142'3  | 30th     | 159'5 | 3rd      | 89'0  | 58'7†                      | 72'4          | 11'7          | ...   | ...      | ...   | ...      | ...  | ...                        | ...           | ...           |
| August . . .      | 145'6  | 13th     | 157'8 | 15th     | 111'5 | 62'5                       | 71'9          | 30'6          | ...   | ...      | ...   | ...      | ...  | ...                        | ...           | ...           |
| September . . .   | 143'6  | 6th      | 150'9 | 2nd      | 128'9 | 58'8                       | 67'4          | 47'7          | ...   | ...      | ...   | ...      | ...  | ...                        | ...           | ...           |
| October . . .     | 138'7  | 21st     | 148'0 | 31st     | 131'5 | 57'8                       | 65'8          | 53'5          | ...   | ...      | ...   | ...      | ...  | ...                        | ...           | ...           |
| November . . .    | 129'2  | 1st      | 135'4 | 17th     | 122'7 | 55'3                       | 59'3          | 52'5          | ...   | ...      | ...   | ...      | ...  | ...                        | ...           | ...           |
| December . . .    | 120'8  | 14th     | 127'4 | 22nd     | 98'3  | 52'9                       | 59'6          | 36'8          | 111'0 | 7th      | 129'0 | 28th     | 49'1 | 56'4                       | 69'7          | 7'6           |
| Year . . .        | 135'4  | ...      | 168'0 | ...      | 59'2  | 56'2                       | 72'4          | 9'4           | ...   | ...      | ...   | ...      | ...  | ...                        | ...           | ...           |
| Means of extremes | ...    | ...      | 147'7 | ...      | 102'4 | ...                        | 66'1          | 29'8          | ...   | ...      | ...   | ...      | ...  | ...                        | ...           | ...           |

\* On a board about 4 feet high from June and previously on forked sticks about 4 inches high.  
† Mean of 30 days. ‡ Mean of 27 days. § Mean of 28 days.

|| On a stand 4½ feet high.

18. ROORKEE (*corrected*).\*19. RANIKHET (*corrected*).†

| MONTH.            | Mean. | MAXIMUM.   |       | MINIMUM.    |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean.  | MAXIMUM. |       | MINIMUM.         |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|------------|-------|-------------|-------|----------------------------|---------------|---------------|--------|----------|-------|------------------|-------|----------------------------|---------------|---------------|
|                   |       | Day.       | o     | Day.        | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |        | Day.     | o     | Day.             | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 120'3 | 20th       | 134'5 | 19th        | 74'5  | 52'9                       | 67'6          | 10'1          | 116'2† | 10th     | 126'3 | 31st             | 73'3  | 61'4†                      | 74'0          | 21'0          |
| February . . .    | 128'1 | 27th       | 144'0 | 4th         | 117'0 | 55'7                       | 64'1          | 49'6          | 121'0  | 15th     | 133'3 | 2nd              | 92'3  | 64'0                       | 72'6          | 46'9          |
| March . . .       | 135'8 | 27th       | 150'0 | 9th         | 84'5  | 53'8                       | 64'1          | 19'6          | 122'3  | 17th     | 141'3 | 8th              | 62'3  | 61'1                       | 78'5          | 13'9          |
| April . . .       | 151'0 | 28th       | 162'5 | 1st         | 137'0 | 53'5                       | 59'3          | 49'3          | 135'5  | 26th     | 143'8 | 1st              | 120'3 | 61'9                       | 71'8          | 49'3          |
| May . . .         | 151'3 | 5th & 15th | 159'5 | 6th         | 120'5 | 52'9                       | 61'8          | 31'3          | 138'1  | 27th     | 149'8 | 1st              | 125'3 | 63'8                       | 76'0          | 49'3          |
| June . . .        | 150'6 | 12th       | 160'0 | 19th        | 106'5 | 50'5                       | 60'3          | 17'3          | 141'8  | 23rd     | 155'3 | 19th             | 109'8 | 63'2                       | 76'3          | 34'8          |
| July . . .        | 150'0 | 16th       | 164'5 | 3rd         | 114'5 | 57'2                       | 68'3          | 28'3          | 132'7  | 8th      | 149'3 | 10th             | 109'3 | 57'8                       | 71'3          | 35'8          |
| August . . .      | 149'3 | 29th       | 160'0 | 2nd         | 108'5 | 57'8                       | 68'8          | 27'3          | 133'9  | 18th     | 153'3 | 4th & 15th       | 100'3 | 62'0                       | 78'3          | 29'3          |
| September . . .   | 148'9 | 1st        | 159'5 | 12th & 18th | 144'5 | 55'4                       | 69'3          | 49'8          | 141'7  | 22nd     | 152'3 | 2nd              | 127'8 | 68'0                       | 76'5          | 59'2          |
| October . . .     | 144'3 | 3rd        | 154'5 | 7th & 31st  | 138'0 | 54'6                       | 65'9          | 51'9          | 136'8  | 2nd      | 149'8 | 27th             | 118'3 | 66'5                       | 77'2          | 52'2          |
| November . . .    | 134'6 | 23rd       | 140'5 | 17th        | 120'5 | 53'1                       | 60'7          | 45'7          | 127'1  | 5th      | 132'8 | 4th, 9th & 10th. | 118'3 | 63'3                       | 70'1          | 52'2          |
| December . . .    | 124'5 | 8th        | 133'5 | 22nd        | 96'5  | 50'9                       | 58'7          | 31'2          | 118'6  | 8th      | 133'3 | 11th             | 80'3  | 56'5†                      | 72'1          | 18'6          |
| Year . . .        | 140'7 | ...        | 164'5 | ...         | 74'5  | 54'0                       | 69'3          | 10'1          | 130'5  | ...      | 155'3 | ...              | 62'3  | 62'5                       | 78'5          | 13'9          |
| Means of extremes | ...   | ...        | 151'9 | ...         | 113'5 | ...                        | 64'1          | 34'3          | ...    | ...      | 143'4 | ...              | 103'1 | ...                        | 74'6          | 38'5          |

\* On a stand 3 feet 6 inches high.

† On a stand 3 feet 9 inches high.

‡ Mean of 30 days.

TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

## 20. MEERUT (corrected).\*

## 21. BAREILLY (corrected).†

| MONTH.            | Mean. | MAXIMUM.  |       | MINIMUM.    |       | DIFFERENCE, SUN AND SHADE. |          |          | Mean.         | MAXIMUM.    |       | MINIMUM.     |       | DIFFERENCE, SUN AND SHADE. |          |          |
|-------------------|-------|-----------|-------|-------------|-------|----------------------------|----------|----------|---------------|-------------|-------|--------------|-------|----------------------------|----------|----------|
|                   |       | Day.      | o     | Day.        | o     | Mean.                      | Maximum. | Minimum. |               | Day.        | o     | Day.         | o     | Mean.                      | Maximum. | Minimum. |
| January . . .     | 122°9 | 30th      | 133°0 | 19th        | 99°2  | 54°1                       | 62°0     | 33°2     | Not recorded. |             |       |              |       |                            |          |          |
| February . . .    | 135°0 | 22nd      | 148°2 | 19th        | 115°0 | 61°6                       | 68°1     | 49°5     | Imperfect.    |             |       |              |       |                            |          |          |
| March . . .       | 144°2 | 23rd      | 153°5 | 9th         | 105°5 | 60°7                       | 73°0     | 41°0     | 137°7‡        | 31st        | 146°9 | 6th          | 115°9 | 53°3§                      | 63°7     | 43°2     |
| April . . .       | 159°0 | 28th      | 171°5 | 1st         | 143°5 | 62°1                       | 64°9     | 49°7     | 151°2         | 28th        | 162°4 | 4th          | 134°9 | 53°7                       | 63°2     | 51°2     |
| May . . .         | 157°1 | 23rd      | 165°2 | 29th        | 134°2 | 59°4                       | 67°7     | 49°6     | 154°8         | 23rd        | 163°9 | 10th         | 143°9 | 56°2                       | 74°2     | 48°2     |
| June . . .        | 149°6 | 12th      | 164°5 | 19th        | 92°5  | 53°1                       | 63°7     | 10°3     | 151°8¶        | 12th & 18th | 159°4 | 20th         | 131°9 | 52°4**                     | 67°2     | 43°2     |
| July . . .        | 148°4 | 25th      | 161°8 | 15th        | 109°5 | 57°8                       | 72°3     | 26°8     | Imperfect.    |             |       |              |       |                            |          |          |
| August . . .      | 148°8 | 29th      | 161°5 | 30th        | 100°5 | 58°4                       | 70°3     | 18°3     | 147°5¶        | 18th        | 159°9 | 30th         | 115°4 | 56°2¶                      | 67°2     | 24°1     |
| September . . .   | 152°3 | 1st & 4th | 159°5 | 5th         | 146°0 | 58°6                       | 72°3     | 54°7     | 145°3‡        | 10th        | 151°9 | 6th          | 137°4 | 53°8‡                      | 62°6     | 47°1     |
| October . . .     | 146°6 | 5th       | 152°5 | 29th        | 131°0 | 56°4                       | 67°8     | 46°5     | 139°9         | 1st         | 151°4 | 5th          | 125°4 | 50°8                       | 58°7     | 39°1     |
| November . . .    | 134°9 | 1st       | 143°5 | 29th & 30th | 126°5 | 52°9                       | 57°1     | 48°6     | 128°0         | 4th         | 136°4 | 28th to 30th | 121°9 | 45°8††                     | 52°2     | 42°7     |
| December . . .    | 122°8 | 4th       | 127°5 | 11th        | 99°2  | 48°9                       | 54°8     | 29°5     | 117°3         | 10th        | 127°9 | 11th         | 97°4  | 43°4                       | 53°7     | 25°6     |
| Year . . .        | 143°5 | ...       | 171°5 | ...         | 92°5  | 57°0                       | 73°0     | 10°3     | ...           | ...         | ...   | ...          | ...   | ...                        | ...      | ...      |
| Means of extremes | ...   | ...       | 153°5 | ...         | 116°9 | ...                        | 66°2     | 38°1     | ...           | ...         | ...   | ...          | ...   | ...                        | ...      | ...      |

\* On a stand 3 feet 10 inches high.

† On a stand 3 feet 6 inches high.

¶ Mean of 27 days.

‡ Mean of 28 days.

\*\* " " 26 "

§ " " 24 "

†† " " 29 "

|| " " 30 "

## 22. AGRA (corrected).\*

## 23. LUCKNOW (corrected).§

| MONTH.            | Mean.  | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |          |          | Mean.      | MAXIMUM.           |       | MINIMUM.                      |       | DIFFERENCE, SUN AND SHADE. |          |          |
|-------------------|--------|----------|-------|----------|-------|----------------------------|----------|----------|------------|--------------------|-------|-------------------------------|-------|----------------------------|----------|----------|
|                   |        | Day.     | o     | Day.     | o     | Mean.                      | Maximum. | Minimum. |            | Day.               | o     | Day.                          | o     | Mean.                      | Maximum. | Minimum. |
| January . . .     | 138°1  | 30th     | 145°1 | 4th      | 129°1 | 64°3                       | 70°9     | 57°9     | 131°9      | 29th               | 137°8 | 7th                           | 125°8 | 60°2                       | 68°3     | 53°1     |
| February . . .    | 146°4  | 26th     | 164°1 | 4th      | 134°5 | 68°2                       | 72°7     | 64°1     | 137°7      | 28th               | 147°8 | 4th, 6th & 10th.              | 130°8 | 59°3                       | 67°3     | 53°1     |
| March . . .       | 157°6  | 29th     | 168°1 | 9th      | 124°4 | 68°1                       | 76°8     | 48°6     | 147°4      | 30th               | 159°8 | 5th & 6th                     | 135°8 | 58°5                       | 65°1     | 50°1     |
| April . . .       | 171°4  | 29th     | 181°1 | 1st      | 155°9 | 68°6                       | 72°8     | 63°0     | 156°2      | 20th, 24th & 28th. | 165°8 | 2nd & 4th                     | 145°8 | 55°7                       | 61°1     | 43°3     |
| May . . .         | 170°3  | 3rd      | 183°5 | 16th     | 153°0 | 64°8                       | 74°1     | 56°6     | 158°3      | 10th               | 166°8 | 12th                          | 145°8 | 56°8                       | 64°8     | 50°8     |
| June . . .        | 163°6  | 3rd      | 178°0 | 19th     | 96°1  | 61°3                       | 69°8     | 18°8     | 154°2      | 1st                | 162°8 | 18th                          | 94°7  | 51°1                       | 66°2     | 2°7      |
| July . . .        | 152°9† | 15th     | 167°7 | 29th     | 106°7 | 60°5†                      | 75°7     | 21°2     | 148°5¶     | 2nd, 6th & 13th.   | 153°7 | 26th                          | 126°7 | 57°1¶                      | 63°7     | 41°5     |
| August . . .      | 150°3  | 10th     | 163°6 | 2nd      | 114°7 | 60°2                       | 71°3     | 31°4     | Imperfect. |                    |       |                               |       |                            |          |          |
| September . . .   | 153°8  | 3rd      | 162°6 | 5th      | 119°8 | 59°9                       | 70°8     | 37°8     | 155°5      | 21st, 22nd & 27th. | 164°7 | 3rd                           | 142°7 | 63°0                       | 74°7     | 51°4     |
| October . . .     | 153°8  | 2nd      | 163°4 | 6th      | 131°4 | 61°2‡                      | 69°9     | 47°6     | 152°1      | 14th               | 164°7 | 6th                           | 125°7 | 62°7                       | 75°4     | 45°5     |
| November . . .    | 144°9  | 1st      | 150°4 | 30th     | 138°4 | 58°5                       | 61°9     | 54°8     | 140°0      | 8th & 25th         | 143°7 | 30th                          | 135°7 | 55°5                       | 61°5     | 51°8     |
| December . . .    | 135°8  | 26th     | 143°2 | 23rd     | 109°4 | 58°0                       | 63°3     | 37°4     | 133°5      | 30th               | 147°7 | 6th, 13th, 15th, 20th & 23rd. | 128°7 | 56°5                       | 79°6     | 49°8     |
| Year . . .        | 153°2  | ...      | 183°5 | ...      | 96°1  | 62°8                       | 76°8     | 18°8     | ...        | ...                | ...   | ...                           | ...   | ...                        | ...      | ...      |
| Means of extremes | ...    | ...      | 164°2 | ...      | 126°1 | ...                        | 70°8     | 44°9     | ...        | ...                | ...   | ...                           | ...   | ...                        | ...      | ...      |

\* On a stand 3 feet high.

† Mean of 30 days.

§ On a stand 3 feet high.

¶ Mean of 26 days.

‡ Mean of 20 days.

|| Mean of 22 days.

TABLE 1.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

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## 24. GORAKHPUR (corrected).\*

## 25. JHANSI (corrected).§

| MONTH.            | Mean.  | MAXIMUM.    |       | MINIMUM.  |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM.          |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|--------|-------------|-------|-----------|-------|----------------------------|---------------|---------------|-------|-------------------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |        | Day.        | o     | Day.      | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.              | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 125°1  | 31st        | 132°5 | 13th      | 114°5 | 52°8                       | 60°5          | 46°0          | 132°5 | 19th              | 146°5 | 4th      | 112°0 | 58°6                       | 65°1          | 45°1          |
| February . . .    | 131°8  | 28th        | 141°5 | 3rd & 4th | 122°5 | 54°4                       | 58°6          | 49°1          | 141°8 | 28th              | 161°5 | 4th      | 124°5 | 62°7                       | 67°0          | 56°6          |
| March . . .       | 144°7  | 23rd        | 154°5 | 27th      | 119°5 | 55°2                       | 64°6          | 29°1          | 153°0 | 17th & 30th       | 163°0 | 9th      | 141°5 | 62°0                       | 67°1          | 47°5          |
| April . . .       | 153°6  | 19th & 21st | 160°5 | 1st       | 137°5 | 53°1                       | 66°1          | 44°1          | 166°6 | 28th              | 178°0 | 3rd      | 150°0 | 63°1                       | 67°5          | 59°5          |
| May . . .         | 152°0  | 10th        | 161°5 | 16th      | 137°5 | 53°0                       | 60°1          | 38°1          | 174°8 | 26th              | 181°5 | 17th     | 168°5 | 68°3                       | 76°5          | 64°5          |
| June . . .        | 151°1  | 7th         | 166°5 | 29th      | 96°5  | 52°3                       | 63°6          | 9°1           | 159°9 | 5th & 14th        | 177°0 | 12th     | 110°0 | 58°8                       | 72°5          | 3°0           |
| July . . .        | 148°1  | 14th        | 163°5 | 5th       | 112°5 | 57°1                       | 70°1          | 24°1          | 129°1 | 1st               | 161°5 | 29th     | 103°0 | 39°8                       | 65°0          | 21°6          |
| August . . .      | 148°0  | 13th        | 159°5 | 27th      | 127°5 | 58°4                       | 68°6          | 40°1          | 132°1 | 9th               | 147°5 | 27th     | 112°0 | 42°6                       | 51°1          | 25°6          |
| September . . .   | 149°7  | 8th         | 157°5 | 11th      | 105°5 | 59°6                       | 69°1          | 21°1          | 151°3 | 26th              | 164°0 | 2nd      | 132°0 | 58°0                       | 68°0          | 44°1          |
| October . . .     | 139°6† | 16th        | 155°0 | 5th       | 82°5  | 53°5‡                      | 66°2          | 5°7           | 150°9 | 8th, 12th & 20th. | 159°0 | 29th     | 133°0 | 62°9                       | 74°6          | 43°6          |
| November . . .    | 136°5  | 7th         | 143°0 | 30th      | 130°0 | 54°8                       | 58°2          | 51°7          | 145°8 | 3rd & 4th         | 153°0 | 26th     | 133°0 | 60°9                       | 66°6          | 52°6          |
| December . . .    | 126°3  | 9th         | 135°0 | 11th      | 83°0  | 52°8                       | 58°2          | 9°2           | 139°3 | 20th              | 150°0 | 10th     | 122°0 | 61°4                       | 69°6          | 50°6          |
| Year . . .        | 142°2  | ...         | 166°5 | ...       | 82°5  | 54°8                       | 70°1          | 5°7           | 148°1 | ...               | 181°5 | ...      | 103°0 | 58°3                       | 76°5          | 3°0           |
| Means of extremes | ...    | ...         | 152°5 | ...       | 114°1 | ...                        | 63°7          | 30°6          | ...   | ...               | 161°9 | ...      | 128°5 | ...                        | 67°6          | 42°9          |

\* On a stand 3 feet 6 inches high.  
† Mean of 30 days.

‡ Mean of 27 days.

§ On a stand 3 feet 1½ inches high.

## 26. ALLAHABAD (corrected).\*

## 27. BENARES (corrected).†

| MONTH.            | Mean. | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean.  | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|----------|-------|----------|-------|----------------------------|---------------|---------------|--------|----------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |       | Day.     | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |        | Day.     | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 129°8 | 31st     | 145°4 | 6th      | 123°1 | 56°2                       | 70°8          | 48°8          | 133°0  | 31st     | 141°4 | 13th     | 118°9 | 59°0                       | 66°8          | 48°7          |
| February . . .    | 140°5 | 28th     | 160°1 | 4th      | 128°8 | 61°9                       | 70°1          | 57°9          | 140°8  | 28th     | 154°2 | 19th     | 130°7 | 60°9                       | 65°1          | 57°8          |
| March . . .       | 152°7 | 17th     | 165°9 | 9th      | 140°4 | 62°4                       | 72°1          | 54°6          | 153°2‡ | 17th     | 164°3 | 27th     | 141°1 | 61°0‡                      | 70°0          | 50°5          |
| April . . .       | 161°7 | 24th     | 168°8 | 2nd      | 150°1 | 59°1                       | 62°0          | 56°4          | 163°0  | 26th     | 170°6 | 3rd      | 151°9 | 59°8                       | 68°6          | 55°3          |
| May . . .         | 163°0 | 10th     | 169°9 | 12th     | 153°9 | 59°3                       | 71°1          | 55°5          | 162°4  | 10th     | 170°7 | 16th     | 140°5 | 58°8                       | 66°4          | 52°8          |
| June . . .        | 159°3 | 6th      | 176°9 | 18th     | 100°1 | 59°1                       | 71°8          | 18°5          | 158°4§ | 14th     | 174°3 | 18th     | 111°0 | 57°4§                      | 70°0          | 25°9          |
| July . . .        | 150°8 | 18th     | 165°3 | 26th     | 95°1  | 61°2                       | 71°4          | 14°1          | 143°3‡ | 9th      | 159°5 | 26th     | 101°8 | 54°0‡                      | 67°6          | 21°0          |
| August . . .      | 146°3 | 13th     | 165°5 | 25th     | 94°9  | 56°8                       | 71°0          | 13°6          | 145°4  | 12th     | 161°9 | 26th     | 106°4 | 55°5                       | 69°8          | 22°9          |
| September . . .   | 154°2 | 11th     | 167°1 | 5th      | 118°9 | 63°3                       | 79°5          | 32°3          | 148°7  | 21st     | 159°8 | 10th     | 123°0 | 58°7                       | 69°7          | 38°0          |
| October . . .     | 150°0 | 24th     | 161°1 | 1st      | 116°1 | 61°5                       | 73°7          | 31°8          | 147°4  | 8th      | 157°2 | 5th      | 103°6 | 59°1                       | 71°3          | 24°4          |
| November . . .    | 143°8 | 7th      | 152°2 | 30th     | 137°3 | 60°0                       | 67°6          | 56°4          | 142°1  | 7th      | 151°5 | 25th     | 112°8 | 59°1                       | 67°5          | 37°5          |
| December . . .    | 132°4 | 10th     | 143°1 | 11th     | 73°6  | 57°7                       | 67°5          | 7°5           | 133°1  | 10th     | 144°8 | 11th     | 99°0  | 58°0                       | 67°0          | 29°1          |
| Year . . .        | 148°7 | ...      | 176°9 | ...      | 73°6  | 59°9                       | 79°5          | 7°5           | 147°6  | ...      | 174°3 | ...      | 99°0  | 58°4                       | 71°3          | 21°0          |
| Means of extremes | ...   | ...      | 161°8 | ...      | 119°4 | ...                        | 70°7          | 37°3          | ...    | ...      | 159°2 | ...      | 120°1 | ...                        | 68°3          | 38°7          |

\* On a stand 3½ feet high.

† On a stand 3 feet 5½ inches high.  
‡ Mean of 30 days.

§ Mean of 29 days.

TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

28. GHAZIPUR (*corrected*).\*29. KATMANDU (*corrected*).||

| MONTH.            | Mean. | MAXIMUM. |       | MINIMUM.  |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean.   | MAXIMUM.    |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|----------|-------|-----------|-------|----------------------------|---------------|---------------|---------|-------------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |       | Day.     | o     | Day.      | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |         | Day.        | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 122.7 | 20th     | 129.4 | 3rd       | 117.6 | 48.1                       | 53.5          | 44.0          | 124.5   | 30th        | 133.9 | 20th     | 100.9 | 55.6                       | 67.1          | 37.1          |
| February . . .    | 130.2 | 28th     | 142.6 | 4th       | 118.9 | 51.6                       | 60.5          | 48.6          | 134.8   | 18th        | 140.9 | 5th      | 127.4 | 62.5                       | 71.6          | 57.7          |
| March . . .       | 144.8 | 10th     | 165.6 | 13th      | 134.1 | 55.1                       | 86.7          | 48.3          | 142.7   | 30th        | 150.4 | 11th     | 131.9 | 62.0                       | 66.7          | 53.2          |
| April . . .       | 151.3 | 23rd     | 158.4 | 3rd & 5th | 141.4 | 50.5                       | 60.4          | 47.3          | 143.1   | 24th        | 152.4 | 1st      | 89.9  | 57.2                       | 65.4          | 20.7          |
| May . . .         | 150.1 | 10th     | 163.6 | 12th      | 131.6 | 49.7                       | 58.6          | 44.4          | 146.3** | 21st & 27th | 155.9 | 11th     | 129.9 | 61.2**                     | 69.2          | 49.7          |
| June . . .        | 149.1 | 13th     | 161.6 | 29th      | 123.6 | 49.9                       | 58.3          | 33.7          | 148.5** | 10th        | 160.9 | 17th     | 113.9 | 59.3**                     | 66.7          | 33.2          |
| July . . .        | 137.6 | 16th     | 151.5 | 27th      | 97.4  | 47.1                       | 61.0          | 14.5          | 149.4   | 7th & 10th  | 156.4 | 6th      | 138.7 | 61.3                       | 69.4          | 50.9          |
| August . . .      | 140.4 | 8th      | 155.6 | 26th      | 106.4 | 49.6                       | 63.4          | 23.3          | 146.0   | 12th        | 154.9 | 3rd      | 108.4 | 58.3††                     | 67.2          | 17.7          |
| September . . .   | 143.8 | 21st     | 152.5 | 8th       | 126.1 | 54.1†                      | 66.5          | 40.1          | 143.4   | 2nd         | 157.4 | 10th     | 89.7  | 57.4                       | 67.7          | 15.0          |
| October . . .     | 138.0 | 24th     | 150.3 | 4th       | 104.5 | 51.1†                      | 63.0          | 22.8          | 137.6†† | 1st         | 154.4 | 4th      | 80.9  | 54.2††                     | 67.7          | 15.1          |
| November . . .    | 130.7 | 6th      | 139.6 | 25th      | 92.7  | 50.6                       | 56.8          | 17.7          | 133.2†† | 10th        | 142.9 | 29th     | 125.9 | 51.0§§                     | 59.7          | 43.2          |
| December . . .    | 122.4 | 9th      | 132.4 | 11th      | 96.6  | 50.9§                      | 59.4          | 27.3          | 123.9   | 18th        | 135.9 | 11th     | 75.9  | 47.2                       | 57.7          | 0.7           |
| Year . . .        | 138.4 | ...      | 165.6 | ...       | 92.7  | 50.7                       | 86.7          | 14.5          | 139.5   | ...         | 160.9 | ...      | 75.9  | 57.3                       | 71.6          | 0.7           |
| Means of extremes | ...   | ...      | 150.3 | ...       | 115.9 | ...                        | 62.3          | 34.3          | ...     | ...         | 149.7 | ...      | 109.5 | ...                        | 66.3          | 32.9          |

\* On a stand 4½ feet high.  
† Mean of 27 days.

‡ Mean of 28 days.  
§ " " 30 "

|| On a stand 4 feet high.  
|| Mean of 27 days.  
\*\* " " 28 "

†† Mean of 26 days.  
†† " " 30 "  
§§ " " 29 "

30. SIBSAGAR (*corrected*).\*31. TEZPUR (*corrected*).†

| MONTH.            | Mean. | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean.         | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|----------|-------|----------|-------|----------------------------|---------------|---------------|---------------|----------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |       | Day.     | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |               | Day.     | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 124.0 | 16th     | 139.6 | 22nd     | 99.8  | 55.2                       | 71.5          | 32.8          | 130.9         | 28th     | 135.8 | 21st     | 124.8 | 56.8                       | 63.0          | 51.3          |
| February . . .    | 125.8 | 18th     | 138.0 | 25th     | 80.1  | 53.7                       | 64.7          | 18.1          | 133.3         | 18th     | 138.3 | 25th     | 123.8 | 56.4                       | 60.4          | 51.9          |
| March . . .       | 136.4 | 1st      | 153.6 | 31st     | 96.6  | 56.8                       | 78.0          | 26.5          | 142.6         | 10th     | 150.8 | 28th     | 125.8 | 56.0                       | 65.2          | 37.9          |
| April . . .       | 139.4 | 28th     | 153.2 | 10th     | 125.0 | 55.9                       | 66.0          | 44.4          | 143.9         | 30th     | 154.8 | 15th     | 135.8 | 55.6                       | 61.9          | 42.9          |
| May . . .         | 143.0 | 20th     | 162.6 | 4th      | 110.2 | 55.2                       | 72.6          | 32.7          | 147.9         | 30th     | 166.8 | 4th      | 111.8 | 59.1                       | 74.5          | 33.8          |
| June . . .        | 148.4 | 8th      | 160.6 | 27th     | 128.8 | 57.7                       | 72.5          | 43.8          | Imperfect.    |          |       |          |       |                            |               |               |
| July . . .        | 141.5 | 23rd     | 162.6 | 28th     | 94.0  | 51.9                       | 70.0          | 12.7          |               |          |       |          |       |                            |               |               |
| August . . .      | 142.9 | 13th     | 158.8 | 3rd      | 94.0  | 54.5                       | 72.5          | 13.9          | Not recorded. |          |       |          |       |                            |               |               |
| September . . .   | 147.3 | 8th      | 161.7 | 17th     | 118.7 | 60.4                       | 74.1          | 37.1          |               |          |       |          |       |                            |               |               |
| October . . .     | 144.9 | 12th     | 154.0 | 6th      | 109.6 | 59.7                       | 67.6          | 30.6          |               |          |       |          |       |                            |               |               |
| November . . .    | 133.0 | 11th     | 140.0 | 8th      | 101.8 | 55.6                       | 62.1          | 29.2          |               |          |       |          |       |                            |               |               |
| December . . .    | 129.0 | 21st     | 145.6 | 12th     | 82.6  | 57.6                       | 76.5          | 17.8          |               |          |       |          |       |                            |               |               |
| Year . . .        | 138.0 | ...      | 162.6 | ...      | 80.1  | 56.2                       | 78.0          | 12.7          | ...           | ...      | ...   | ...      | ...   | ...                        | ...           | ...           |
| Means of extremes | ...   | ...      | 152.5 | ...      | 103.4 | ...                        | 70.7          | 28.3          | ...           | ...      | ...   | ...      | ...   | ...                        | ...           | ...           |

\* On a stand 4 feet high.

† On a stand 3 feet 11 inches high.



TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

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32. DHUBRI (*corrected*).\*33. SILCHAR (*corrected*).\*

| MONTH.            | Mean.  | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM.    |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|--------|----------|-------|----------|-------|----------------------------|---------------|---------------|-------|-------------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |        | Day.     | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.        | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January           |        |          |       |          |       |                            |               |               | 128.2 | 25th        | 134.9 | 1st      | 116.6 | 50.1                       | 54.3          | 42.5          |
| February          |        |          |       |          |       |                            |               |               | 133.4 | 3rd         | 140.9 | 7th      | 125.8 | 52.7                       | 60.3          | 48.6          |
| March             |        |          |       |          |       |                            |               |               | 135.8 | 22nd        | 145.6 | 28th     | 103.1 | 50.8                       | 61.5          | 26.3          |
| April             |        |          |       |          |       |                            |               |               | 138.6 | 29th        | 148.0 | 3rd      | 114.8 | 51.4                       | 59.2          | 37.6          |
| May               |        |          |       |          |       |                            |               |               | 141.8 | 22nd        | 155.1 | 4th      | 115.6 | 51.3                       | 61.7          | 36.1          |
| June              |        |          |       |          |       |                            |               |               | 141.4 | 9th         | 153.6 | 25th     | 114.0 | 50.5                       | 60.2          | 26.3          |
| July              |        |          |       |          |       |                            |               |               | 140.1 | 19th & 28th | 158.3 | 6th      | 93.0  | 51.1                       | 66.8          | 14.6          |
| August            |        |          |       |          |       |                            |               |               | 138.1 | 17th        | 154.1 | 9th      | 99.5  | 49.0                       | 63.4          | 11.5          |
| September         |        |          |       |          |       |                            |               |               | 139.0 | 20th        | 155.4 | 4th      | 98.3  | 50.4                       | 65.5          | 18.7          |
| October           |        |          |       |          |       |                            |               |               | 144.1 | 22nd        | 151.6 | 30th     | 121.1 | 53.1                       | 63.8          | 38.6          |
| November          | 132.3† | 28th     | 143.0 | 9th      | 119.4 | 52.5‡                      | 60.8          | 39.6          | 136.0 | 12th        | 142.1 | 8th      | 106.1 | 49.1                       | 56.7          | 27.1          |
| December          | 129.2  | 28th     | 140.4 | 12th     | 76.7  | 54.3                       | 65.4          | 6.9           | 129.4 | 20th        | 136.7 | 12th     | 86.1  | 49.0                       | 58.1          | 15.7          |
| Year              | ...    | ...      | ...   | ...      | ...   | ...                        | ...           | ...           | 137.2 | ...         | 158.3 | ...      | 86.1  | 50.7                       | 66.8          | 11.5          |
| Means of extremes | ...    | ...      | ...   | ...      | ...   | ...                        | ...           | ...           | ...   | ...         | 148.0 | ...      | 107.8 | ...                        | 61.0          | 28.6          |

† Mean of 29 days.  
‡ " " 24 "

\* On a stand 4 feet high.

34. DARJEELING (*corrected*).\*35. PURNEAH (*corrected*).\*\*

| MONTH.            | Mean.  | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM. |       | MINIMUM.  |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|--------|----------|-------|----------|-------|----------------------------|---------------|---------------|-------|----------|-------|-----------|-------|----------------------------|---------------|---------------|
|                   |        | Day.     | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o     | Day.      | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January           | 102.1  | 27th     | 123.1 | 18th     | 57.7  | 55.9                       | 76.2          | 15.9          | 120.2 | 23rd     | 124.3 | 13th      | 115.3 | 45.6                       | 52.1          | 43.1          |
| February          | 108.5† | 20th     | 126.9 | 27th     | 55.2  | 62.1‡                      | 78.0          | 10.6          | 124.9 | 27th     | 135.3 | 4th       | 114.3 | 46.5                       | 50.1          | 43.1          |
| March             | 121.2  | 23rd     | 130.9 | 7th      | 91.2  | 64.2                       | 74.5          | 43.6          | 138.3 | 30th     | 145.3 | 10th      | 130.3 | 47.4                       | 52.1          | 41.1          |
| April             | 129.4§ | 2nd      | 138.3 | 7th      | 108.1 | 68.5§                      | 80.3          | 55.4          | 145.9 | 14th     | 152.3 | 8th       | 136.3 | 46.9                       | 53.1          | 43.1          |
| May               |        |          |       |          |       |                            |               |               | 145.4 | 15th     | 154.3 | 12th      | 136.3 | 49.3                       | 54.1          | 40.1          |
| June              |        |          |       |          |       |                            |               |               | 142.6 | 7th      | 154.3 | 17th      | 121.3 | 48.1                       | 55.1          | 28.1          |
| July              |        |          |       |          |       |                            |               |               | 138.8 | 20th     | 148.3 | 7th       | 95.3  | 47.7                       | 56.1          | 11.1          |
| August            |        |          |       |          |       |                            |               |               | 136.7 | 20th     | 150.3 | 5th       | 105.3 | 47.7                       | 58.1          | 22.1          |
| September         | 109.6† | 16th     | 138.3 | 9th      | 83.0  | 45.8‡                      | 71.6          | 20.9          | 129.8 | 26th     | 146.3 | 8th & 9th | 91.3  | 43.7                       | 59.1          | 12.1          |
| October           | 123.6  | 10th     | 140.9 | 6th      | 87.6  | 63.1                       | 78.8          | 29.0          | 138.5 | 1st      | 148.3 | 5th       | 101.3 | 50.4                       | 58.1          | 23.1          |
| November          | 115.1  | 27th     | 129.3 | 2nd      | 77.6  | 60.4                       | 76.6          | 26.9          | 128.2 | 6th      | 134.3 | 26th      | 119.3 | 46.7                       | 51.1          | 40.1          |
| December          | 106.2¶ | 7th      | 136.0 | 28th     | 64.1  | 57.3¶                      | 76.2          | 19.5          | 120.4 | 10th     | 128.3 | 12th      | 100.3 | 45.4                       | 51.1          | 26.1          |
| Year              | ...    | ...      | ...   | ...      | ...   | ...                        | ...           | ...           | 134.1 | ...      | 154.3 | ...       | 91.3  | 47.1                       | 59.1          | 11.1          |
| Means of extremes | ...    | ...      | ...   | ...      | ...   | ...                        | ...           | ...           | ...   | ...      | 143.5 | ...       | 113.9 | ...                        | 54.2          | 31.1          |

\* On a stand 3 feet 4 inches high.  
† Mean of 27 days.  
‡ " " 26 "

§ Mean of 21 days.  
|| " " 24 "  
¶ " " 30 "

\*\* On a stand 3 feet 10 inches high.

TABLE 1.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

## 36. PATNA (corrected).\*

## 37. HAZARIBAGH (corrected).†

| MONTH.            | Mean.  | MAXIMUM. |       | MINIMUM.  |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM. |       | MINIMUM.    |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|--------|----------|-------|-----------|-------|----------------------------|---------------|---------------|-------|----------|-------|-------------|-------|----------------------------|---------------|---------------|
|                   |        | Day.     | o.    | Day.      | o.    | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o.    | Day.        | o.    | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 117.4  | 23rd     | 125.8 | 28th      | 112.4 | 44.8                       | 53.5          | 41.7          | 128.7 | 24th     | 139.2 | 7th         | 122.7 | 56.2                       | 63.1          | 51.1          |
| February . . .    | 123.1  | 28th     | 140.2 | 4th       | 110.8 | 45.4                       | 50.8          | 40.9          | 135.6 | 16th     | 146.0 | 4th         | 123.2 | 57.7                       | 64.8          | 54.2          |
| March . . .       | 137.5  | 31st     | 143.4 | 12th      | 130.4 | 47.1                       | 51.6          | 42.5          | 147.2 | 26th     | 155.4 | 12th        | 137.2 | 60.9                       | 69.5          | 55.1          |
| April . . .       | 146.1  | 22nd     | 154.4 | 4th & 8th | 134.4 | 45.5                       | 49.6          | 42.5          | 157.1 | 26th     | 165.7 | 3rd         | 146.2 | 59.1                       | 66.0          | 56.7          |
| May . . .         | 144.4  | 10th     | 153.8 | 16th      | 128.4 | 46.3                       | 52.5          | 42.5          | 157.1 | 5th      | 165.7 | 16th        | 133.2 | 61.5                       | 69.4          | 49.3          |
| June . . .        | 145.3  | 7th      | 157.0 | 17th      | 110.4 | 47.3                       | 54.6          | 28.1          | 155.3 | 8th      | 163.0 | 17th & 18th | 138.2 | 64.0                       | 73.7          | 54.3          |
| July . . .        | 132.0  | 16th     | 145.4 | 5th       | 86.4  | 42.6                       | 54.6          | 6.7           | 145.4 | 16th     | 162.4 | 7th         | 103.7 | 61.4                       | 72.2          | 25.5          |
| August . . .      | 132.7† | 6th      | 147.4 | 26th      | 101.4 | 43.9†                      | 58.0          | 18.1          | 145.8 | 7th      | 158.2 | 26th        | 112.0 | 62.5                       | 77.3          | 35.6          |
| September . . .   | 135.4  | 22nd     | 145.4 | 10th      | 96.0  | 48.5                       | 58.5          | 17.7          | 146.6 | 23rd     | 159.7 | 14th        | 103.2 | 63.9                       | 75.5          | 26.3          |
| October . . .     | 133.7  | 2nd      | 142.4 | 5th       | 95.4  | 46.3                       | 53.4          | 19.1          | 147.8 | 5th      | 155.2 | 3rd         | 130.7 | 65.6                       | 76.3          | 49.3          |
| November . . .    | 128.3  | 7th      | 136.4 | 25th      | 91.4  | 45.6                       | 51.0          | 16.1          | 135.3 | 7th      | 153.7 | 24th        | 101.2 | 58.5                       | 74.3          | 28.0          |
| December . . .    | 119.9  | 10th     | 128.4 | 31st      | 112.4 | 44.3                       | 47.7          | 40.3          | 127.9 | 29th     | 136.4 | 12th        | 110.4 | 55.4                       | 60.3          | 43.4          |
| Year . . .        | 133.0  | ...      | 157.0 | ...       | 86.4  | 45.6                       | 58.5          | 6.7           | 144.2 | ...      | 165.7 | ...         | 101.2 | 60.6                       | 77.3          | 25.5          |
| Means of extremes | ...    | ...      | 143.3 | ...       | 109.2 | ...                        | 53.0          | 29.7          | ...   | ...      | 155.1 | ...         | 121.8 | ...                        | 70.2          | 44.1          |

\* On a stand 3 feet 9 inches high.

† Mean of 30 days.

‡ On a stand 3 feet 6 inches high.

## 38. BERHAMPORE (corrected).\*

## 39. BURDWAN (corrected).†

| MONTH.            | Mean. | MAXIMUM.           |       | MINIMUM.          |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM.    |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|--------------------|-------|-------------------|-------|----------------------------|---------------|---------------|-------|-------------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |       | Day.               | o.    | Day.              | o.    | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.        | o.    | Day.     | o.    | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 133.6 | 27th               | 140.2 | 2nd               | 125.2 | 57.3                       | 62.6          | 51.6          | 135.5 | 26th        | 141.5 | 14th     | 131.0 | 57.4                       | 60.0          | 52.9          |
| February . . .    | 140.8 | 16th & 28th        | 151.2 | 5th               | 131.2 | 58.7                       | 64.6          | 56.1          | 141.6 | 27th        | 149.6 | 4th      | 131.0 | 57.9                       | 61.7          | 50.5          |
| March . . .       | 151.7 | 27th               | 162.2 | 7th               | 136.2 | 60.3                       | 67.9          | 54.9          | 148.1 | 1st         | 155.8 | 7th      | 111.0 | 56.7                       | 69.7          | 30.5          |
| April . . .       | 159.2 | 21st & 24th        | 166.2 | 3rd & 4th         | 150.2 | 59.9                       | 67.6          | 57.5          | 155.7 | 14th & 20th | 162.0 | 3rd      | 147.0 | 54.4                       | 60.8          | 50.5          |
| May . . .         | 157.5 | 21st               | 166.7 | 12th              | 106.2 | 63.4                       | 70.6          | 30.6          | 152.1 | 2nd         | 161.8 | 12th     | 103.0 | 55.9                       | 64.0          | 19.7          |
| June . . .        | 154.7 | 13th               | 166.7 | 16th              | 107.2 | 62.3                       | 69.5          | 25.6          | 150.7 | 8th         | 165.2 | 28th     | 111.2 | 56.7                       | 70.6          | 18.8          |
| July . . .        | 154.4 | 1st                | 165.2 | 25th              | 110.7 | 65.1                       | 73.5          | 28.6          | 152.5 | 2nd         | 159.2 | 25th     | 108.2 | 62.1                       | 69.8          | 25.7          |
| August . . .      | 152.6 | 12th               | 162.7 | 7th               | 115.1 | 64.0                       | 73.1          | 29.5          | 150.2 | 14th        | 160.6 | 6th      | 120.0 | 60.5                       | 70.7          | 30.6          |
| September . . .   | 150.5 | 13th               | 161.2 | 5th               | 103.7 | 62.8                       | 71.6          | 25.1          | 150.9 | 7th         | 159.5 | 5th      | 90.0  | 61.8                       | 72.6          | 8.8           |
| October . . .     | 151.0 | 15th, 27th & 28th. | 157.2 | 10th              | 135.7 | 62.9                       | 68.6          | 51.1          | 153.7 | 4th         | 163.0 | 31st     | 148.0 | 64.2                       | 74.2          | 59.5          |
| November . . .    | 42.2  | 7th & 8th          | 150.2 | 26th              | 124.2 | 59.7                       | 65.6          | 46.6          | 140.8 | 12th        | 150.6 | 2nd      | 114.0 | 56.9                       | 64.3          | 33.7          |
| December . . .    | 136.3 | 13th               | 143.2 | 9th, 12th & 31st. | 131.2 | 59.0                       | 65.1          | 51.6          | 137.7 | 11th        | 146.0 | 22nd     | 133.7 | 58.0                       | 66.1          | 52.6          |
| Year . . .        | 148.7 | ...                | 166.7 | ...               | 103.7 | 61.3                       | 73.5          | 25.1          | 147.5 | ...         | 165.2 | ...      | 90.0  | 58.5                       | 74.2          | 8.8           |
| Means of extremes | ...   | ...                | 157.7 | ...               | 123.1 | ...                        | 68.4          | 42.4          | ...   | ...         | 156.2 | ...      | 120.7 | ...                        | 67.0          | 36.2          |

\* On a stand 4 feet 2 inches high.

† On a stand 4 feet high.

TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

11

40. JESSORE (*corrected*).\*41. DACCA (*corrected*).†

| MONTH.            | Mean. | MAXIMUM.       |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |           |           | Mean.  | MAXIMUM.    |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |           |           |
|-------------------|-------|----------------|-------|----------|-------|----------------------------|-----------|-----------|--------|-------------|-------|----------|-------|----------------------------|-----------|-----------|
|                   |       | Day.           | o     | Day.     | o     | Mean.                      | Maxi-mum. | Mini-mum. |        | Day.        | o     | Day.     | o     | Mean.                      | Maxi-mum. | Mini-mum. |
| January . . .     |       | Untrustworthy. |       |          |       |                            |           |           | 134°3‡ | 5th         | 144°0 | 14th     | 119°6 | 56°5‡                      | 65°8      | 46°4      |
| February . . .    |       | Ditto.         |       |          |       |                            |           |           | 140°0§ | 17th        | 151°4 | 5th      | 131°9 | 57°3§                      | 68°1      | 52°9      |
| March . . .       |       | Ditto.         |       |          |       |                            |           |           | 145°3  | 10th & 19th | 151°9 | 28th     | 113°9 | 56°2                       | 63°6      | 44°4      |
| April . . .       |       | Imperfect.     |       |          |       |                            |           |           | 148°1  | 26th        | 160°1 | 8th      | 137°1 | 57°4                       | 65°7      | 53°3      |
| May . . .         | 148°3 | 23rd           | 157°9 | 12th     | 86°1  | 54°0                       | 64°7      | 12°1      | 149°9  | 7th         | 157°9 | 12th     | 93°1  | 60°0                       | 70°6      | 17°6      |
| June . . .        | 144°4 | 7th            | 157°9 | 17th     | 106°4 | 52°1                       | 63°5      | 24°0      | 145°0  | 14th        | 158°0 | 16th     | 101°2 | 56°4                       | 67°4      | 21°8      |
| July . . .        | 142°3 | 10th           | 161°4 | 5th      | 98°1  | 52°8                       | 70°1      | 9°9       | 144°7‡ | 16th        | 159°1 | 3rd      | 115°2 | 57°3‡                      | 69°7      | 32°6      |
| August . . .      | 136°8 | 21st           | 154°2 | 6th      | 100°9 | 48°6                       | 64°7      | 16°0      | 136°7  | 15th        | 154°9 | 6th      | 98°1  | 50°7                       | 66°7      | 14°9      |
| September . . .   | 137°1 | 26th           | 154°6 | 8th      | 91°9  | 49°7                       | 66°1      | 10°1      | 140°1  | 22nd        | 155°0 | 8th      | 88°1  | 52°9                       | 65°5      | 8°8       |
| October . . .     | 148°2 | 19th           | 157°9 | 20th     | 140°1 | 58°7                       | 66°4      | 49°6      | 147°7  | 14th        | 156°6 | 21st     | 129°6 | 58°5                       | 67°7      | 44°9      |
| November . . .    | 139°3 | 23rd           | 148°9 | 27th     | 103°9 | 54°9                       | 63°9      | 26°7      | 138°8  | 13th        | 144°3 | 27th     | 108°1 | 53°9                       | 59°8      | 24°5      |
| December . . .    | 133°0 | 9th            | 140°9 | 12th     | 107°4 | 53°7                       | 59°8      | 26°8      | 132°1  | 3rd         | 141°1 | 12th     | 119°3 | 52°6                       | 61°4      | 38°7      |
| Year . . .        | ...   | ...            | ...   | ...      | ...   | ...                        | ...       | ...       | 141°9  | ...         | 160°1 | ...      | 88°1  | 55°8                       | 70°6      | 8°8       |
| Means of extremes | ...   | ...            | ...   | ...      | ...   | ...                        | ...       | ...       | ...    | ...         | 152°9 | ...      | 112°9 | ...                        | 66°0      | 33°4      |

\* On a stand 3 feet  $4\frac{1}{2}$  inches high.† On a stand 3 feet  $2\frac{1}{2}$  inches high.

‡ Mean of 30 days.

§ " " 27 "

42. CHITTAGONG (*corrected*).\*43. CALCUTTA (ALIPORE) (*corrected*).‡

| MONTH.            | Mean. | MAXIMUM.          |       | MINIMUM.    |       | DIFFERENCE, SUN AND SHADE. |           |           | Mean. | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |           |           |
|-------------------|-------|-------------------|-------|-------------|-------|----------------------------|-----------|-----------|-------|----------|-------|----------|-------|----------------------------|-----------|-----------|
|                   |       | Day.              | o     | Day.        | o     | Mean.                      | Maxi-mum. | Mini-mum. |       | Day.     | o     | Day.     | o     | Mean.                      | Maxi-mum. | Mini-mum. |
| January . . .     | 134°9 | 25th              | 140°9 | 3rd         | 131°9 | 58°9                       | 63°0      | 54°5      | 129°9 | 26th     | 136°7 | 6th      | 123°7 | 53°3                       | 57°8      | 47°1      |
| February . . .    | 139°2 | 18th              | 144°9 | 5th         | 133°4 | 59°0                       | 62°2      | 55°6      | 137°5 | 27th     | 146°0 | 1st      | 128°8 | 55°4                       | 59°9      | 49°4      |
| March . . .       | 143°9 | 9th               | 152°9 | 27th        | 120°9 | 58°6                       | 66°7      | 44°0      | 144°3 | 27th     | 153°5 | 7th      | 91°4  | 54°9                       | 63°7      | 5°4       |
| April . . .       | 143°2 | 30th              | 153°9 | 12th        | 136°9 | 57°1                       | 64°0      | 52°0      | 151°3 | 19th     | 157°9 | 7th      | 144°8 | 55°1                       | 62°7      | 49°3      |
| May . . .         | 145°7 | 21st              | 154°9 | 22nd        | 93°9  | 58°2                       | 65°5      | 13°5      | 152°2 | 22nd     | 158°5 | 12th     | 107°4 | 58°7                       | 65°4      | 13°9      |
| June . . .        | 135°1 | 6th & 21st        | 157°9 | 27th        | 87°9  | 51°6†                      | 70°4      | 9°3       | 148°6 | 9th      | 167°0 | 16th     | 104°5 | 56°6                       | 76°5      | 21°7      |
| July . . .        | 140°4 | 1st, 15th & 17th. | 151°9 | 9th         | 93°9  | 55°7                       | 67°0      | 15°8      | 148°1 | 19th     | 161°5 | 4th      | 118°0 | 59°7                       | 71°9      | 33°0      |
| August . . .      | 140°0 | 19th & 20th       | 155°9 | 8th         | 87°9  | 56°2                       | 69°3      | 10°4      | 145°7 | 28th     | 160°6 | 1st      | 117°5 | 58°3                       | 71°1      | 32°7      |
| September . . .   | 144°4 | 18th              | 152°9 | 5th         | 96°9  | 58°5                       | 67°4      | 16°8      | 145°0 | 20th     | 162°0 | 30th     | 95°3  | 57°8                       | 75°1      | 9°9       |
| October . . .     | 147°9 | 6th               | 155°9 | 22nd        | 98°9  | 61°0                       | 68°5      | 22°2      | 146°8 | 2nd      | 159°3 | 1st      | 130°5 | 59°1                       | 71°7      | 44°9      |
| November . . .    | 141°5 | 22nd              | 151°9 | 8th         | 109°9 | 59°0                       | 68°6      | 33°6      | 136°6 | 24th     | 147°3 | 2nd      | 127°3 | 53°8                       | 62°2      | 44°4      |
| December . . .    | 135°7 | 9th               | 141°9 | 18th & 22nd | 131°9 | 57°3                       | 60°1      | 53°8      | 130°3 | 9th      | 143°7 | 21st     | 124°8 | 52°1                       | 59°0      | 46°5      |
| Year . . .        | 141°0 | ...               | 157°9 | ...         | 87°9  | 57°6                       | 70°4      | 9°3       | 143°0 | ...      | 167°0 | ...      | 91°4  | 56°2                       | 76°5      | 5°4       |
| Means of extremes | ...   | ...               | 151°3 | ...         | 110°4 | ...                        | 66°1      | 31°8      | ...   | ...      | 154°5 | ...      | 117°8 | ...                        | 66°4      | 33°2      |

\* On a stand 3 feet 10 inches high.

† Mean of 27 days.

‡ On a stand 4 feet high.

b 2

TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

## 44. SAUGOR ISLAND (corrected).\*

## 45. CUTTACK (corrected).†

| MONTH.            | Mean. | MAXIMUM.    |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean.  | MAXIMUM.    |       | MINIMUM.   |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|-------------|-------|----------|-------|----------------------------|---------------|---------------|--------|-------------|-------|------------|-------|----------------------------|---------------|---------------|
|                   |       | Day.        | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |        | Day.        | o     | Day.       | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 139.1 | 12th        | 152.3 | 14th     | 129.7 | 62.9                       | 78.1          | 55.5          | 132.4  | 24th        | 147.8 | 14th       | 122.8 | 48.5                       | 57.9          | 39.4          |
| February . . .    | 142.0 | 26th & 27th | 150.7 | 20th     | 134.7 | 61.3                       | 66.5          | 55.5          | 140.4  | 25th        | 156.5 | 11th       | 128.3 | 50.2                       | 57.3          | 45.0          |
| March . . .       | 144.5 | 10th        | 154.7 | 7th      | 87.7  | 57.8                       | 71.5          | 2.3           | 144.6  | 1st         | 150.9 | 12th       | 138.2 | 50.0                       | 60.9          | 42.2          |
| April . . .       | 148.1 | 28th        | 159.7 | 3rd      | 141.7 | 57.7                       | 68.5          | 49.7          | 150.6  | 21st        | 162.7 | 26th       | 142.3 | 48.5                       | 56.7          | 41.5          |
| May . . .         | 151.6 | 6th         | 161.7 | 12th     | 144.5 | 60.1                       | 71.5          | 54.3          | 148.2  | 28th        | 155.7 | 31st       | 129.3 | 47.0                       | 53.3          | 39.3          |
| June . . .        | 142.2 | 8th         | 162.7 | 27th     | 97.7  | 51.9                       | 69.1          | 11.5          | 142.5  | 11th        | 159.3 | 9th        | 122.5 | 46.4                       | 61.3          | 28.1          |
| July . . .        | 139.1 | 14th        | 154.9 | 24th     | 108.7 | 50.8                       | 64.7          | 22.5          | 136.0  | 18th        | 152.5 | 23rd       | 117.7 | 43.2                       | 57.1          | 24.9          |
| August . . .      | 137.0 | 28th        | 156.7 | 1st      | 95.7  | 49.9                       | 67.8          | 12.5          | 140.3† | 20th & 21st | 163.5 | 3rd & 25th | 104.3 | 48.0§                      | 72.9          | 6.9           |
| September . . .   | 141.5 | 26th        | 155.7 | 29th     | 97.5  | 53.8                       | 66.5          | 15.3          | 144.3  | 27th        | 150.1 | 29th       | 120.9 | 51.8                       | 56.9          | 25.1          |
| October . . .     | 145.5 | 5th         | 160.7 | 7th      | 111.9 | 57.9                       | 71.3          | 23.8          | 146.5  | 24th        | 154.3 | 1st        | 97.7  | 54.4                       | 66.6          | 1.3           |
| November . . .    | 140.5 | 2nd         | 149.7 | 27th     | 122.9 | 57.5                       | 70.3          | 44.3          | 139.7  | 4th         | 152.5 | 24th       | 122.7 | 52.4                       | 64.9          | 35.9          |
| December . . .    | 136.4 | 10th        | 144.7 | 6th      | 132.7 | 58.9                       | 61.6          | 53.9          | 133.2  | 15th        | 139.7 | 10th       | 117.9 | 47.5                       | 53.1          | 31.5          |
| Year . . .        | 142.3 | ...         | 162.7 | ...      | 87.7  | 56.7                       | 78.1          | 2.3           | 141.6  | ...         | 163.5 | ...        | 97.7  | 49.0                       | 72.9          | 1.3           |
| Means of extremes | ...   | ...         | 155.4 | ...      | 117.1 | ...                        | 69.0          | 33.4          | ...    | ...         | 153.8 | ...        | 122.1 | ...                        | 59.9          | 30.1          |

\* On forked sticks 6 inches high.

† On a stand 3 feet 2 inches high.

§ Mean of 28 days.

‡ Mean of 30 days.

|| " " 29 "

## 46. FALSE POINT (corrected).\*

## 47. SAMBALPUR (corrected).‡

| MONTH.            | Mean.  | MAXIMUM.   |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |      |
|-------------------|--------|------------|-------|----------|-------|----------------------------|---------------|---------------|-------|----------|-------|----------|-------|----------------------------|---------------|---------------|------|
|                   |        | Day.       | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |      |
| January . . .     | 132.5  | 26th       | 148.1 | 9th      | 125.9 | 54.8                       | 65.9          | 50.6          | 121.4 | 31st     | 139.5 | 14th     | 111.1 | 41.2                       | 58.3          | 34.6          |      |
| February . . .    | 138.5  | 25th       | 144.7 | 6th      | 131.7 | 57.0                       | 65.3          | 53.6          | 132.7 | 28th     | 144.0 | 5th      | 121.8 | 44.5                       | 49.8          | 40.0          |      |
| March . . .       | 145.5† | 4th        | 153.1 | 9th      | 137.3 | 59.6†                      | 67.7          | 53.7          | 142.0 | 31st     | 151.3 | 7th      | 125.1 | 47.5                       | 50.3          | 42.8          |      |
| April . . .       |        | Imperfect. |       |          |       |                            |               |               |       | 156.2    | 24th  | 161.7    | 5th   | 147.3                      | 50.2          | 53.8          | 46.8 |
| May . . .         | 147.5  | 24th       | 157.4 | 13th     | 142.8 | 57.2                       | 66.9          | 53.8          | 158.3 | 10th     | 164.0 | 29th     | 149.2 | 53.6                       | 57.7          | 47.5          |      |
| June . . .        | 143.4  | 2nd & 3rd  | 154.2 | 27th     | 108.6 | 53.5                       | 62.8          | 23.4          | 152.7 | 8th      | 162.6 | 17th     | 107.8 | 58.8                       | 69.4          | 23.3          |      |
| July . . .        | 143.9  | 27th       | 158.2 | 20th     | 114.4 | 56.8                       | 68.7          | 30.0          | 142.5 | 21st     | 159.6 | 26th     | 98.6  | 54.7                       | 72.6          | 17.3          |      |
| August . . .      | 142.6  | 14th       | 159.2 | 24th     | 106.2 | 55.3                       | 70.3          | 21.4          | 149.6 | 13th     | 162.0 | 25th     | 116.5 | 61.0                       | 72.2          | 33.8          |      |
| September . . .   | 143.4  | 25th       | 153.9 | 30th     | 97.0  | 55.6                       | 65.5          | 15.3          | 144.9 | 2nd      | 156.1 | 30th     | 97.3  | 55.7                       | 66.8          | 17.0          |      |
| October . . .     | 144.0  | 21st       | 151.0 | 1st      | 127.6 | 56.0                       | 61.6          | 42.6          | 143.2 | 11th     | 150.2 | 2nd      | 136.4 | 53.5                       | 62.5          | 46.6          |      |
| November . . .    | 132.7  | 1st        | 141.4 | 23rd     | 101.8 | 49.6                       | 59.7          | 22.2          | 129.8 | 12th     | 146.3 | 24th     | 90.3  | 45.9                       | 60.2          | 10.9          |      |
| December . . .    | 127.6  | 9th        | 137.8 | 13th     | 112.2 | 48.7                       | 58.5          | 35.0          | 121.7 | 25th     | 133.0 | 10th     | 111.6 | 41.6                       | 52.7          | 32.3          |      |
| Year . . .        | ...    | ...        | ...   | ...      | ...   | ...                        | ...           | ...           | 141.3 | ...      | 164.0 | ...      | 90.3  | 50.7                       | 72.6          | 10.9          |      |
| Means of extremes | ...    | ...        | ...   | ...      | ...   | ...                        | ...           | ...           | ...   | ...      | 152.5 | ...      | 117.8 | ...                        | 60.5          | 32.7          |      |

\* On a stand 3 feet 1½ inches high.

† Mean of 30 days.

‡ On a stand 4 feet high.

TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

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48. RAIPUR (*corrected*).\*49. NAGPUR (*corrected*).\*

| MONTH.            | Mean.  | MAXIMUM.    |       | MINIMUM.     |       | DIFFERENCE, SUN AND SHADE. |          |          | Mean.                                           | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |          |          |
|-------------------|--------|-------------|-------|--------------|-------|----------------------------|----------|----------|-------------------------------------------------|----------|-------|----------|-------|----------------------------|----------|----------|
|                   |        | Day.        | °     | Day.         | °     | Mean.                      | Maximum. | Minimum. |                                                 | Day.     | °     | Day.     | °     | Mean.                      | Maximum. | Minimum. |
| January . . .     | 123.8  | 26th & 27th | 133.1 | 14th         | 114.2 | 44.9                       | 50.5     | 37.7     | Not recorded.<br>Ditto.<br>Ditto.<br>Imperfect. |          |       |          |       |                            |          |          |
| February . . .    | 139.3  | 27th        | 149.6 | 4th          | 122.9 | 52.6                       | 57.1     | 48.4     |                                                 |          |       |          |       |                            |          |          |
| March . . .       | 147.6  | 30th        | 155.4 | 21st         | 129.7 | 53.7                       | 61.9     | 40.5     |                                                 |          |       |          |       |                            |          |          |
| April . . .       | 158.1  | 27th        | 165.4 | 5th          | 150.4 | 53.6                       | 57.0     | 49.6     |                                                 |          |       |          |       |                            |          |          |
| May . . .         | 157.8  | 12th        | 166.7 | 27th         | 147.2 | 53.2                       | 60.9     | 48.8     | 166.7                                           | 6th      | 174.9 | 16th     | 155.4 | 58.9                       | 70.6     | 51.3     |
| June . . .        | 153.2  | 15th        | 163.4 | 25th         | 125.4 | 56.8                       | 68.5     | 39.5     | 158.4                                           | 13th     | 168.9 | 25th     | 143.4 | 60.2                       | 70.8     | 54.0     |
| July . . .        | 136.1  | 12th        | 155.2 | 29th         | 106.8 | 50.1                       | 68.5     | 26.5     | 142.7                                           | 13th     | 158.4 | 22nd     | 100.4 | 54.5                       | 68.4     | 23.6     |
| August . . .      | 143.8† | 18th        | 153.9 | 19th & 22nd  | 130.4 | 55.5†                      | 63.5     | 45.5     | 150.0                                           | 11th     | 159.7 | 19th     | 116.7 | 59.9                       | 67.1     | 34.5     |
| September . . .   |        |             |       | Not recorded |       |                            |          |          | 156.8                                           | 18th     | 163.9 | 30th     | 151.6 | 62.6                       | 68.0     | 57.2     |
| October . . .     |        |             |       | Ditto.       |       |                            |          |          | 148.9                                           | 24th     | 158.9 | 18th     | 127.9 | 60.8                       | 74.3     | 45.7     |
| November . . .    |        |             |       | Ditto.       |       |                            |          |          | 144.9                                           | 11th     | 155.4 | 30th     | 138.9 | 59.1                       | 66.6     | 55.1     |
| December . . .    | 139.6‡ | 11th        | 147.9 | 30th         | 136.3 | 59.5‡                      | 66.4     | 55.3     | 138.8                                           | 14th     | 145.9 | 10th     | 132.7 | 57.8                       | 63.7     | 53.9     |
| Year . . .        | ...    | ...         | ...   | ...          | ...   | ...                        | ...      | ...      | ...                                             | ...      | ...   | ...      | ...   | ...                        | ...      | ...      |
| Means of extremes | ...    | ...         | ...   | ...          | ...   | ...                        | ...      | ...      | ...                                             | ...      | ...   | ...      | ...   | ...                        | ...      | ...      |

† Mean of 23 days.

‡ Mean of 21 days.

\* On a stand 4 feet high.

50. SEONI (*corrected*).\*51. JUBBULPORE (*corrected*).†

| MONTH.            | Mean. | MAXIMUM.    |       | MINIMUM.      |       | DIFFERENCE, SUN AND SHADE. |          |          | Mean.      | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |          |          |
|-------------------|-------|-------------|-------|---------------|-------|----------------------------|----------|----------|------------|----------|-------|----------|-------|----------------------------|----------|----------|
|                   |       | Day.        | °     | Day.          | °     | Mean.                      | Maximum. | Minimum. |            | Day.     | °     | Day.     | °     | Mean.                      | Maximum. | Minimum. |
| January . . .     | 133.1 | 22nd & 29th | 138.6 | 13th          | 103.6 | 55.2                       | 61.0     | 28.8     | Imperfect. |          |       |          |       |                            |          |          |
| February . . .    | 141.8 | 26th        | 153.4 | 4th           | 128.1 | 57.8                       | 62.7     | 53.8     |            |          |       |          |       |                            |          |          |
| March . . .       | 148.8 | 19th        | 155.8 | 7th           | 139.6 | 56.6                       | 67.7     | 46.9     |            |          |       |          |       |                            |          |          |
| April . . .       | 156.7 | 7th         | 165.4 | 3rd           | 148.2 | 53.1                       | 60.3     | 47.0     |            |          |       |          |       |                            |          |          |
| May . . .         | 156.3 | 7th         | 164.4 | 16th          | 145.1 | 53.6                       | 59.3     | 45.8     | 163.4      | 26th     | 170.9 | 31st     | 147.6 | 59.3                       | 63.5     | 49.8     |
| June . . .        | 145.3 | 12th        | 157.9 | 23rd          | 121.9 | 53.1                       | 60.1     | 40.3     | 156.0      | 8th      | 165.8 | 23rd     | 116.8 | 60.7                       | 73.5     | 36.0     |
| July . . .        | 132.1 | 10th        | 148.1 | 29th          | 93.1  | 48.7                       | 62.8     | 11.7     | 143.5      | 1st      | 159.0 | 29th     | 110.0 | 57.8                       | 68.4     | 30.7     |
| August . . .      | 136.8 | 12th        | 150.2 | 19th          | 102.6 | 52.6                       | 64.2     | 21.8     | 149.5      | 14th     | 158.4 | 27th     | 131.3 | 63.9                       | 71.9     | 52.6     |
| September . . .   |       |             |       | Untrustworthy |       |                            |          |          | 154.3      | 4th      | 161.0 | 7th      | 149.8 | 64.9                       | 70.6     | 59.2     |
| October . . .     | 142.3 | 24th        | 154.7 | 5th           | 126.8 | 57.6                       | 64.9     | 47.9     | 150.2      | 14th     | 160.5 | 4th      | 130.4 | 64.7                       | 71.5     | 50.3     |
| November . . .    | 137.6 | 1st         | 149.4 | 25th          | 130.4 | 56.1                       | 65.1     | 52.4     | 142.2      | 1st      | 149.0 | 24th     | 138.0 | 60.3                       | 65.0     | 55.4     |
| December . . .    | 132.2 | 31st        | 144.5 | 11th          | 99.0  | 55.3                       | 65.2     | 26.5     | 135.5      | 28th     | 140.2 | 12th     | 124.6 | 59.3                       | 63.2     | 53.3     |
| Year . . .        | ...   | ...         | ...   | ...           | ...   | ...                        | ...      | ...      | ...        | ...      | ...   | ...      | ...   | ...                        | ...      | ...      |
| Means of extremes | ...   | ...         | ...   | ...           | ...   | ...                        | ...      | ...      | ...        | ...      | ...   | ...      | ...   | ...                        | ...      | ...      |

\* On a stand 1 foot 10 inches high.

† On a stand 3 feet high.

TABLE I—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

52. SAUGOR (*corrected*).\*53. PACHMARHI (*corrected*).§

| MONTH.            | Mean.  | MAXIMUM.      |       | MINIMUM.    |       | DIFFERENCE, SUN AND SHADE. |          |          | Mean. | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |          |          |
|-------------------|--------|---------------|-------|-------------|-------|----------------------------|----------|----------|-------|----------|-------|----------|-------|----------------------------|----------|----------|
|                   |        | Day.          | °     | Day.        | °     | Mean.                      | Maximum. | Minimum. |       | Day.     | °     | Day.     | °     | Mean.                      | Maximum. | Minimum. |
| January . . .     |        | Not recorded. |       |             |       |                            |          |          | 129.8 | 25th     | 140.0 | 19th     | 109.1 | 62.3                       | 70.2     | 41.4     |
| February . . .    |        | Ditto.        |       |             |       |                            |          |          | 134.8 | 26th     | 147.2 | 4th      | 123.4 | 62.2                       | 68.1     | 57.9     |
| March . . .       |        | Ditto.        |       |             |       |                            |          |          | 143.6 | 16th     | 151.3 | 9th      | 135.8 | 60.8                       | 65.7     | 56.8     |
| April . . .       |        | Imperfect.    |       |             |       |                            |          |          | 151.7 | 29th     | 161.6 | 3rd      | 141.6 | 59.7                       | 67.3     | 54.1     |
| May . . .         | 164.5  | 26th          | 173.3 | 18th & 31st | 155.3 | 59.9                       | 64.5     | 54.5     | 154.0 | 22nd     | 162.1 | 30th     | 123.4 | 60.7                       | 69.6     | 40.9     |
| June . . .        | 152.1  | 5th           | 164.3 | 23rd        | 112.7 | 55.8                       | 62.6     | 28.6     | 146.9 | 19th     | 155.6 | 25th     | 117.8 | 64.7                       | 77.0     | 43.0     |
| July . . .        | 138.7† | 15th          | 155.3 | 21st & 29th | 109.3 | 54.4†                      | 65.4     | 31.0     | 126.1 | 13th     | 154.8 | 29th     | 82.4  | 50.8                       | 74.9     | 12.3     |
| August . . .      | 139.8‡ | 13th          | 157.5 | 28th        | 110.9 | 56.0‡                      | 69.4     | 36.0     | 132.1 | 11th     | 151.6 | 27th     | 106.2 | 56.8                       | 71.5     | 36.3     |
| September . . .   | 148.8  | 2nd           | 156.9 | 6th         | 117.3 | 60.6                       | 69.6     | 37.0     | 143.1 | 23rd     | 151.0 | 5th      | 133.0 | 63.1                       | 72.4     | 55.7     |
| October . . .     | 143.7  | 2nd           | 152.9 | 18th        | 110.9 | 59.0                       | 66.4     | 32.0     | 138.5 | 28th     | 150.6 | 17th     | 77.1  | 61.5                       | 73.2     | 9.2      |
| November . . .    | 138.3  | 12th & 19th   | 145.3 | 23rd        | 133.9 | 56.7                       | 60.4     | 54.4     | 134.7 | 11th     | 151.8 | 22nd     | 126.2 | 60.8                       | 75.0     | 55.4     |
| December . . .    | 129.4  | 6th           | 136.3 | 12th        | 83.3  | 54.0                       | 58.8     | 18.9     | 127.1 | 31st     | 138.1 | 11th     | 86.8  | 57.9                       | 67.2     | 24.8     |
| Year . . .        | ...    | ...           | ...   | ...         | ...   | ...                        | ...      | ...      | 138.5 | ...      | 162.1 | ...      | 77.1  | 60.1                       | 77.0     | 9.2      |
| Means of extremes | ...    | ...           | ...   | ...         | ...   | ...                        | ...      | ...      | ...   | ...      | 151.3 | ...      | 113.6 | ...                        | 71.0     | 40.7     |

\* On a stand 8 feet 8 inches high.  
† Mean of 29 days.

‡ Mean of 30 days.

§ On a stand 3 feet high.

54. HOSHANGABAD (*corrected*).\*55. KHANDWA (*corrected*).†

| MONTH.            | Mean. | MAXIMUM.       |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |          |          | Mean.  | MAXIMUM.    |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |          |          |
|-------------------|-------|----------------|-------|----------|-------|----------------------------|----------|----------|--------|-------------|-------|----------|-------|----------------------------|----------|----------|
|                   |       | Day.           | °     | Day.     | °     | Mean.                      | Maximum. | Minimum. |        | Day.        | °     | Day.     | °     | Mean.                      | Maximum. | Minimum. |
| January . . .     | 137.8 | 12th           | 143.7 | 13th     | 124.7 | 58.8                       | 66.5     | 47.0     | 140.2  | 17th        | 144.6 | 3rd      | 136.1 | 58.1                       | 62.8     | 54.3     |
| February . . .    | 143.6 | 26th           | 153.7 | 4th      | 134.7 | 59.8                       | 64.5     | 55.0     | 146.0  | 26th        | 156.5 | 4th      | 134.6 | 58.3                       | 64.5     | 49.0     |
| March . . .       | 155.3 | 6th            | 162.7 | 9th      | 148.7 | 60.9                       | 71.7     | 55.6     | 155.9‡ | 29th        | 162.6 | 10th     | 149.9 | 59.7‡                      | 64.7     | 57.0     |
| April . . .       | 161.7 | 27th           | 168.8 | 2nd      | 153.7 | 56.8                       | 63.5     | 52.9     | 164.8  | 29th        | 173.9 | 2nd      | 155.5 | 59.9                       | 65.0     | 57.5     |
| May . . .         | 164.5 | 6th            | 171.7 | 29th     | 152.5 | 55.7                       | 62.4     | 50.8     | 166.7  | 1st         | 171.3 | 31st     | 159.1 | 59.4                       | 65.3     | 54.6     |
| June . . .        | 155.1 | 3rd & 4th      | 163.7 | 25th     | 123.7 | 57.0                       | 66.8     | 40.4     | 154.9  | 8th         | 164.6 | 24th     | 131.6 | 58.7                       | 65.4     | 46.2     |
| July . . .        | 138.4 | 2nd            | 154.0 | 22nd     | 93.3  | 52.6                       | 66.6     | 16.1     | 144.9  | 2nd         | 158.9 | 22nd     | 99.9  | 58.7                       | 69.6     | 24.2     |
| August . . .      | 142.4 | 12th           | 158.7 | 27th     | 126.3 | 55.6                       | 69.3     | 44.3     | 149.4  | 14th        | 165.0 | 19th     | 121.9 | 63.4                       | 73.8     | 42.2     |
| September . . .   | 148.9 | 30th           | 157.7 | 3rd      | 139.3 | 56.8                       | 64.8     | 50.2     | 151.1  | 20th        | 159.9 | 2nd      | 101.2 | 60.8                       | 68.8     | 24.0     |
| October . . .     | 143.6 | 1st            | 158.5 | 4th      | 118.3 | 54.9                       | 65.4     | 36.0     | 151.4  | 15th        | 161.4 | 4th      | 105.1 | 62.4                       | 70.3     | 28.0     |
| November . . .    | 137.2 | 2nd            | 143.3 | 23rd     | 133.7 | 51.1                       | 56.3     | 47.5     | 147.7  | 11th & 12th | 156.4 | 10th     | 137.9 | 60.5                       | 68.4     | 51.4     |
| December . . .    |       | Untrustworthy. |       |          |       |                            |          |          | 135.8  | 26th        | 143.9 | 12th     | 93.7  | 55.8                       | 64.8     | 26.6     |
| Year . . .        | ...   | ...            | ...   | ...      | ...   | ...                        | ...      | ...      | 150.7  | ...         | 173.9 | ...      | 93.7  | 59.6                       | 73.8     | 24.0     |
| Means of extremes | ...   | ...            | ...   | ...      | ...   | ...                        | ...      | ...      | ...    | ...         | 159.9 | ...      | 127.2 | ...                        | 67.0     | 42.9     |

\* On a stand 2 feet 5 inches high.

† On a stand 4 feet high.  
‡ Mean of 30 days.

TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

## 56. SIRONCHA (corrected).\*

## 57. CHIKALDA (corrected).†

| MONTH.            | Mean.                           | MAXIMUM. |       | MINIMUM.    |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|---------------------------------|----------|-------|-------------|-------|----------------------------|---------------|---------------|-------|----------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |                                 | Day.     | o     | Day.        | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 136.7                           | 31st     | 144.2 | 6th         | 132.2 | 52.5                       | 59.1          | 48.1          | 138.8 | 20th     | 149.3 | 19th     | 113.3 | 68.4                       | 76.9          | 47.9          |
| February . . .    | 145.9                           | 28th     | 154.2 | 4th         | 135.2 | 53.2                       | 59.8          | 50.7          | 144.2 | 25th     | 152.0 | 4th      | 136.4 | 67.4                       | 73.2          | 64.2          |
| March . . .       | 152.9                           | 29th     | 157.6 | 9th         | 147.2 | 53.3                       | 59.1          | 48.8          | 151.9 | 19th     | 159.3 | 9th      | 144.2 | 67.9                       | 78.4          | 63.2          |
| April . . .       | 158.6                           | 18th     | 168.5 | 30th        | 153.9 | 51.5                       | 60.5          | 47.9          | 157.8 | 26th     | 169.1 | 13th     | 150.4 | 65.9                       | 74.2          | 62.7          |
| May . . .         | 158.4                           | 11th     | 164.0 | 4th         | 151.8 | 51.9                       | 60.3          | 48.1          | 158.9 | 22nd     | 166.4 | 29th     | 152.3 | 65.4                       | 73.9          | 59.0          |
| June . . .        | 148.9                           | 6th      | 157.8 | 20th        | 124.4 | 54.5                       | 65.5          | 34.7          | 145.8 | 6th      | 159.1 | 27th     | 120.6 | 63.6                       | 75.9          | 47.5          |
| July . . .        | 136.2                           | 9th      | 154.7 | 14th & 21st | 85.2  | 49.9                       | 66.3          | 8.9           | 129.7 | 13th     | 151.4 | 22nd     | 81.4  | 56.3                       | 74.3          | 14.2          |
| August . . .      | 141.7                           | 12th     | 155.2 | 17th        | 89.8  | 54.4                       | 64.4          | 12.3          | 137.2 | 6th      | 156.9 | 19th     | 89.1  | 63.5                       | 80.1          | 18.3          |
| September . . .   | 147.4                           | 4th      | 156.2 | 7th         | 119.2 | 56.1                       | 67.5          | 34.1          | 148.4 | 23rd     | 162.1 | 1st      | 134.1 | 70.6                       | 78.4          | 62.5          |
| October . . .     | 147.2                           | 29th     | 156.9 | 19th        | 111.2 | 58.5                       | 66.2          | 31.4          | 145.9 | 28th     | 158.6 | 4th      | 94.6  | 69.6                       | 81.8          | 23.4          |
| November . . .    | 144.0†                          | 13th     | 153.7 | 10th        | 138.2 | 56.7†                      | 67.2          | 52.6          | 143.7 | 3rd      | 155.1 | 26th     | 124.1 | 69.3                       | 78.7          | 52.3          |
| December . . .    | Observatory temporarily closed. |          |       |             |       |                            |               |               | 116.6 | 7th      | 135.2 | 26th     | 75.9  | 46.8                       | 64.3          | 7.7           |
| Year . . .        | ...                             | ...      | ...   | ...         | ...   | ...                        | ...           | ...           | 143.2 | ...      | 169.1 | ...      | 75.9  | 64.6                       | 81.8          | 7.7           |
| Means of extremes | ...                             | ...      | ...   | ...         | ...   | ...                        | ...           | ...           | ...   | ...      | 156.2 | ...      | 118.0 | ...                        | 75.8          | 43.6          |

\* On a stand 3 feet high.

† Mean of 20 days.

‡ On a stand 4 feet high.

## 58. AMRAOTI (corrected).\*

## 59. NEEMUCH (corrected).\*

| MONTH.            | Mean. | MAXIMUM.    |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean.  | MAXIMUM.         |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|-------------|-------|----------|-------|----------------------------|---------------|---------------|--------|------------------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |       | Day.        | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |        | Day.             | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 135.3 | 16th        | 140.8 | 13th     | 124.7 | 53.2                       | 59.4          | 46.6          | 143.6  | 24th & 30th      | 149.0 | 9th      | 139.9 | 66.0                       | 71.4          | 61.8          |
| February . . .    | 142.8 | 26th        | 152.5 | 4th      | 132.1 | 53.8                       | 56.5          | 51.0          | 147.0† | 26th             | 157.5 | 3rd      | 139.9 | 65.5†                      | 74.2          | 60.0          |
| March . . .       | 152.3 | 29th        | 160.1 | 9th      | 142.4 | 55.2                       | 64.6          | 50.0          | 154.0  | 16th             | 162.8 | 5th      | 143.6 | 62.9                       | 72.3          | 56.8          |
| April . . .       | 159.1 | 26th        | 166.5 | 18th     | 150.7 | 52.9                       | 56.3          | 44.2          | 162.3  | 27th             | 174.5 | 1st      | 144.5 | 61.1                       | 68.5          | 56.5          |
| May . . .         | 160.7 | 24th        | 168.1 | 30th     | 149.1 | 53.5                       | 62.1          | 48.1          | 165.9  | 15th             | 173.8 | 18th     | 160.9 | 59.7                       | 64.4          | 55.6          |
| June . . .        | 149.6 | 11th        | 163.1 | 1st      | 134.1 | 54.7                       | 65.7          | 44.8          | 161.0  | 11th             | 168.6 | 30th     | 136.7 | 62.7                       | 71.4          | 51.5          |
| July . . .        | 139.9 | 12th        | 153.1 | 22nd     | 104.8 | 52.8                       | 66.3          | 24.7          | 152.0  | 2nd, 3rd & 15th. | 161.7 | 22nd     | 119.7 | 65.4                       | 73.5          | 40.7          |
| August . . .      | 144.2 | 14th        | 155.1 | 18th     | 105.1 | 56.8                       | 64.1          | 23.5          | 148.9  | 15th             | 160.9 | 20th     | 122.6 | 65.1                       | 74.4          | 44.8          |
| September . . .   | 154.0 | 22nd        | 161.4 | 1st      | 125.5 | 62.0                       | 70.9          | 40.0          | 156.0  | 22nd             | 163.7 | 2nd      | 148.8 | 66.8                       | 75.0          | 60.6          |
| October . . .     | 149.7 | 12th & 29th | 157.1 | 4th      | 122.1 | 60.7                       | 68.0          | 39.0          | 156.3‡ | 4th              | 165.6 | 16th     | 150.9 | 65.9‡                      | 76.5          | 58.6          |
| November . . .    | 142.8 | 20th        | 152.8 | 6th      | 136.5 | 56.2                       | 64.7          | 51.5          | 151.6  | 16th             | 157.6 | 23rd     | 143.6 | 65.8                       | 70.4          | 62.6          |
| December . . .    | 139.3 | 14th        | 147.5 | 11th     | 110.4 | 56.9                       | 67.5          | 33.0          | 147.2§ | 16th             | 152.6 | 10th     | 139.7 | 69.5§                      | 74.5          | 63.2          |
| Year . . .        | 147.5 | ...         | 168.1 | ...      | 104.8 | 55.7                       | 70.9          | 23.5          | 153.8  | ...              | 174.5 | ...      | 119.7 | 64.7                       | 76.5          | 40.7          |
| Means of extremes | ...   | ...         | 156.5 | ...      | 128.1 | ...                        | 63.8          | 41.4          | ...    | ...              | 162.4 | ...      | 140.9 | ...                        | 72.2          | 56.1          |

\* On a stand 4 feet high.

† Mean of 24 days.

§ Mean of 27 days.

‡ " " 26 "

TABLE 1.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

## 60. NOWGONG (corrected).\*

## 61. SUTNA (corrected).§

| MONTH.            | Mean.  | MAXIMUM.    |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM. |       | MINIMUM.    |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|--------|-------------|-------|----------|-------|----------------------------|---------------|---------------|-------|----------|-------|-------------|-------|----------------------------|---------------|---------------|
|                   |        | Day.        | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o     | Day.        | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 127.8† | 31st        | 140.2 | 4th      | 115.5 | 53.7†                      | 65.3          | 48.4          | 128.5 | 24th     | 135.7 | 13th        | 119.7 | 55.0                       | 59.7          | 49.7          |
| February . . .    | 138.0  | 27th        | 150.4 | 4th      | 129.7 | 58.9                       | 63.1          | 54.8          | 132.8 | 27th     | 145.7 | 4th         | 120.5 | 54.7                       | 60.2          | 50.1          |
| March . . .       | 148.3  | 17th        | 162.9 | 6th      | 108.2 | 57.4                       | 68.8          | 28.1          | 145.9 | 27th     | 156.5 | 10th        | 136.7 | 55.6                       | 62.2          | 46.9          |
| April . . .       | 159.7  | 23rd & 28th | 167.4 | 2nd      | 146.9 | 56.8†                      | 60.4          | 52.9          | 155.3 | 30th     | 167.0 | 2nd         | 144.0 | 54.4                       | 62.9          | 50.2          |
| May . . .         | 161.7  | 22nd        | 170.4 | 6th      | 143.4 | 55.5                       | 63.2          | 34.8          | 159.1 | 10th     | 170.5 | 18th        | 151.0 | 53.5                       | 64.4          | 47.3          |
| June . . .        | 157.0  | 21st        | 169.4 | 6th      | 126.9 | 56.9                       | 71.7          | 22.7          | 156.5 | 11th     | 165.5 | 18th        | 116.5 | 57.2                       | 66.2          | 36.5          |
| July . . .        | 141.9  | 15th        | 161.9 | 28th     | 99.4  | 52.6                       | 67.1          | 16.3          | 142.4 | 16th     | 156.7 | 8th         | 114.5 | 55.8                       | 66.6          | 36.5          |
| August . . .      | 146.9  | 15th        | 164.4 | 27th     | 92.4  | 57.8                       | 68.9          | 14.8          | 143.9 | 31st     | 155.5 | 25th & 26th | 117.7 | 57.3                       | 67.9          | 35.5          |
| September . . .   | 148.6  | 2nd         | 160.4 | 6th      | 99.9  | 56.7                       | 69.5          | 19.8          | 147.4 | 30th     | 157.0 | 6th         | 112.9 | 58.2                       | 69.4          | 33.9          |
| October . . .     | 145.1  | 22nd        | 155.7 | 18th     | 111.4 | 58.5                       | 65.1          | 33.0          | 144.1 | 1st      | 156.5 | 3rd         | 109.0 | 58.1                       | 67.8          | 27.9          |
| November . . .    | 141.5  | 3rd         | 145.9 | 23rd     | 135.4 | 58.9                       | 62.0          | 55.8          | 136.6 | 10th     | 144.0 | 24th        | 126.0 | 56.0                       | 64.4          | 50.9          |
| December . . .    | 131.4  | 26th & 27th | 139.4 | 11th     | 77.4  | 56.5                       | 63.3          | 11.5          | 130.7 | 21st     | 140.7 | 11th        | 92.5  | 56.7                       | 66.1          | 28.8          |
| Year . . .        | 145.7  | ...         | 170.4 | ...      | 77.4  | 56.7                       | 71.7          | 11.5          | 143.6 | ...      | 170.5 | ...         | 92.5  | 56.0                       | 69.4          | 27.9          |
| Means of extremes | ...    | ...         | 157.4 | ...      | 115.5 | ...                        | 65.7          | 32.7          | ...   | ...      | 154.3 | ...         | 121.8 | ...                        | 64.8          | 41.2          |

\* On a stand 4½ feet high.  
† Mean of 23 days.

‡ Mean of 30 days.

§ On a stand 4 feet high.

## 62. INDORE (corrected).\*

## 63. BICKANEER (corrected).‡

| MONTH.            | Mean.  | MAXIMUM.       |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM.    |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|--------|----------------|-------|----------|-------|----------------------------|---------------|---------------|-------|-------------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |        | Day.           | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.        | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 128.9  | 22nd           | 134.8 | 13th     | 124.4 | 50.2                       | 54.6          | 46.9          | 135.4 | 30th        | 144.9 | 5th      | 125.1 | 67.4                       | 75.9          | 60.2          |
| February . . .    | 133.6  | 26th           | 145.9 | 4th      | 121.4 | 50.4                       | 54.7          | 43.2          | 142.6 | 28th        | 158.5 | 16th     | 126.7 | 71.3                       | 79.2          | 62.4          |
| March . . .       |        | Untrustworthy. |       |          |       |                            |               |               | 156.5 | 17th        | 166.3 | 18th     | 143.5 | 70.3                       | 77.7          | 59.5          |
| April . . .       | 161.6† | 27th           | 174.0 | 14th     | 153.0 | 58.9†                      | 66.1          | 55.7          | 170.7 | 28th        | 183.3 | 1st      | 152.9 | 69.7                       | 79.1          | 61.8          |
| May . . .         | 160.2  | 4th            | 167.0 | 29th     | 148.0 | 56.7                       | 66.0          | 50.1          | 173.8 | 25th        | 181.3 | 31st     | 147.4 | 65.8                       | 71.0          | 57.2          |
| June . . .        | 149.1  | 5th & 8th      | 157.0 | 24th     | 123.0 | 57.2                       | 66.7          | 40.3          | 168.0 | 11th & 14th | 174.5 | 1st      | 151.3 | 63.1                       | 71.8          | 51.2          |
| July . . .        | 136.1  | 1st            | 150.1 | 22nd     | 100.0 | 53.2                       | 67.5          | 23.4          | 165.8 | 2nd         | 175.3 | 4th      | 149.3 | 66.7§                      | 76.1          | 60.4          |
| August . . .      | 140.5  | 13th           | 158.5 | 31st     | 112.0 | 57.9                       | 70.7          | 34.5          | 164.8 | 14th        | 171.5 | 2nd      | 156.7 | 66.5                       | 74.2          | 60.6          |
| September . . .   | 147.4  | 21st           | 158.0 | 1st      | 111.0 | 59.5                       | 70.0          | 34.9          | 165.8 | 4th         | 176.1 | 9th      | 160.3 | 64.8                       | 73.6          | 61.2          |
| October . . .     | 148.5  | 3rd            | 157.0 | 18th     | 133.0 | 61.8                       | 69.9          | 51.4          | 163.5 | 3rd         | 172.5 | 30th     | 154.5 | 66.1                       | 71.0          | 59.8          |
| November . . .    | 143.8  | 9th            | 158.0 | 23rd     | 136.0 | 59.6                       | 75.9          | 55.4          | 149.3 | 13th        | 159.1 | 26th     | 135.5 | 63.4                       | 68.7          | 59.0          |
| December . . .    | 134.3  | 9th            | 150.8 | 11th     | 103.0 | 56.3                       | 73.6          | 32.9          | 137.5 | 20th        | 147.2 | 24th     | 125.7 | 62.3                       | 69.1          | 57.1          |
| Year . . .        | ...    | ...            | ...   | ...      | ...   | ...                        | ...           | ...           | 157.8 | ...         | 183.3 | ...      | 125.1 | 66.5                       | 79.2          | 51.2          |
| Means of extremes | ...    | ...            | ...   | ...      | ...   | ...                        | ...           | ...           | ...   | ...         | 167.5 | ...      | 144.1 | ...                        | 74.0          | 59.2          |

\* On a stand 3.8 feet high.  
† Mean of 25 days.

‡ On a stand 4 feet high.  
§ Mean of 30 days.



TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

64. JEYPORE (*corrected*).\*65. SAMBHAR (*corrected*).†

| MONTH.            | Mean. | MAXIMUM. |       | MINIMUM.   |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM.  |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|----------|-------|------------|-------|----------------------------|---------------|---------------|-------|-----------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |       | Day.     | o     | Day.       | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.      | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 126.8 | 23rd     | 135.0 | 17th       | 118.0 | 53.5                       | 61.2          | 47.0          | 127.2 | 31st      | 136.0 | 17th     | 112.0 | 56.3                       | 62.5          | 42.7          |
| February . . .    | 134.8 | 25th     | 149.9 | 4th        | 123.9 | 57.3                       | 63.2          | 52.8          | 135.6 | 26th      | 149.0 | 2nd      | 126.0 | 60.7                       | 68.2          | 56.6          |
| March . . .       | 147.9 | 17th     | 159.1 | 6th        | 120.0 | 59.2                       | 72.8          | 40.0          | 145.6 | 17th      | 156.7 | 6th      | 125.8 | 59.1                       | 74.1          | 44.8          |
| April . . .       | 160.3 | 27th     | 168.3 | 1st        | 143.2 | 59.2                       | 66.1          | 56.1          | 155.8 | 27th      | 165.2 | 28th     | 135.0 | 57.4                       | 67.2          | 36.6          |
| May . . .         | 163.5 | 5th      | 173.1 | 16th       | 157.0 | 56.9                       | 65.9          | 52.3          | 157.5 | 26th      | 166.5 | 7th      | 146.3 | 52.9                       | 62.0          | 44.6          |
| June . . .        | 158.7 | 3rd      | 170.1 | 24th       | 126.9 | 56.9                       | 66.0          | 29.8          | 150.7 | 16th      | 164.3 | 21st     | 138.9 | 51.6                       | 65.0          | 42.1          |
| July . . .        | 151.8 | 15th     | 166.9 | 6th        | 111.7 | 60.2                       | 74.0          | 27.8          | 141.0 | 2nd       | 156.2 | 26th     | 117.8 | 50.1                       | 60.4          | 33.4          |
| August . . .      | 152.2 | 14th     | 166.5 | 21st       | 131.9 | 61.3                       | 72.1          | 42.1          | 142.4 | 5th       | 155.8 | 21st     | 108.4 | 53.4                       | 69.2          | 24.5          |
| September . . .   | 151.3 | 4th      | 159.0 | 9th        | 144.7 | 56.3                       | 69.6          | 51.9          | 146.8 | 26th      | 151.2 | 7th      | 139.1 | 54.3                       | 63.7          | 48.6          |
| October . . .     | 150.0 | 1st      | 161.2 | 8th & 29th | 140.0 | 56.6                       | 64.8          | 45.1          | 146.6 | 1st & 3rd | 152.0 | 22nd     | 136.5 | 54.3                       | 58.9          | 46.3          |
| November . . .    | 138.5 | 17th     | 146.0 | 28th       | 131.0 | 51.8                       | 54.9          | 49.0          | 135.8 | 15th      | 142.3 | 30th     | 125.4 | 51.5                       | 55.6          | 47.8          |
| December . . .    | 131.5 | 26th     | 140.8 | 30th       | 123.2 | 53.4                       | 61.8          | 48.3          | 124.3 | 21st      | 129.5 | 11th     | 106.5 | 49.2                       | 56.0          | 31.5          |
| Year . . .        | 147.3 | ...      | 173.1 | ...        | 111.7 | 56.9                       | 74.0          | 27.8          | 142.4 | ...       | 166.5 | ...      | 106.5 | 54.2                       | 74.1          | 24.5          |
| Means of extremes | ...   | ...      | 158.0 | ...        | 131.0 | ...                        | 66.0          | 45.2          | ...   | ...       | 152.1 | ...      | 126.5 | ...                        | 63.6          | 41.6          |

\* On a stand 4 feet high.

† On a stand 3 feet 4 inches high.

66. AJMERE (*corrected*).\*67. MOUNT ABU (*corrected*).‡

| MONTH.            | Mean. | MAXIMUM. |       | MINIMUM.    |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM.   |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|----------|-------|-------------|-------|----------------------------|---------------|---------------|-------|------------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |       | Day.     | o     | Day.        | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.       | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 118.0 | 11th     | 124.3 | 17th        | 108.8 | 45.8                       | 54.6          | 39.7          | 124.6 | 9th        | 133.8 | 19th     | 107.3 | 58.9                       | 67.8          | 43.0          |
| February . . .    | 122.4 | 26th     | 135.8 | 3rd         | 105.5 | 46.5                       | 48.8          | 40.6          | 132.9 | 23rd       | 144.7 | 16th     | 121.1 | 63.0                       | 68.0          | 57.1          |
| March . . .       | 134.7 | 29th     | 145.8 | 6th         | 124.3 | 47.8                       | 54.2          | 42.2          | 138.6 | 17th       | 151.1 | 6th      | 112.5 | 61.6                       | 69.2          | 39.4          |
| April . . .       | 144.5 | 29th     | 154.8 | 1st         | 125.3 | 45.4                       | 57.3          | 38.3          | 146.2 | 27th       | 159.8 | 1st      | 133.8 | 59.4                       | 66.4          | 55.1          |
| May . . .         | 149.1 | 26th     | 157.8 | 31st        | 135.8 | 44.6                       | 51.8          | 38.3          | 147.0 | 2nd & 26th | 157.7 | 19th     | 140.2 | 56.1                       | 69.7          | 48.2          |
| June . . .        | 141.4 | 19th     | 155.8 | 1st & 27th  | 134.8 | 43.4                       | 55.5          | 37.5          | 138.9 | 17th       | 151.5 | 25th     | 123.8 | 56.1                       | 65.7          | 49.9          |
| July . . .        | 137.2 | 2nd      | 149.3 | 21st        | 110.0 | 47.8                       | 57.1          | 26.8          | 123.7 | 13th       | 143.9 | 26th     | 97.5  | 50.1                       | 65.0          | 27.9          |
| August . . .      | 136.0 | 6th      | 148.8 | 21st        | 102.8 | 47.7                       | 59.6          | 17.1          | 116.1 | 14th       | 145.3 | 1st      | 82.5  | 45.7                       | 69.3          | 15.1          |
| September . . .   | 135.6 | 30th     | 143.8 | 9th         | 128.1 | 43.2                       | 53.1          | 37.0          | 132.5 | 20th       | 147.8 | 6th      | 103.1 | 57.4                       | 69.5          | 35.5          |
| October . . .     | 139.4 | 2nd      | 151.8 | 30th        | 131.3 | 46.8                       | 58.1          | 41.5          | 140.6 | 19th       | 148.8 | 30th     | 134.1 | 59.3                       | 68.0          | 52.3          |
| November . . .    | 127.4 | 9th      | 134.3 | 28th & 29th | 118.3 | 42.4                       | 46.9          | 38.1          | 133.0 | 6th        | 137.3 | 26th     | 127.5 | 56.8                       | 59.7          | 54.1          |
| December . . .    | 121.8 | 22nd     | 129.8 | 10th & 25th | 117.0 | 46.5†                      | 56.1          | 40.1          | 127.4 | 9th        | 135.7 | 27th     | 120.1 | 57.3                       | 64.1          | 53.0          |
| Year . . .        | 134.0 | ...      | 157.8 | ...         | 102.8 | 45.7                       | 59.6          | 17.1          | 133.5 | ...        | 159.8 | ...      | 82.5  | 56.8                       | 69.7          | 15.1          |
| Means of extremes | ...   | ...      | 144.3 | ...         | 120.2 | ...                        | 54.4          | 36.4          | ...   | ...        | 146.5 | ...      | 117.0 | ...                        | 66.9          | 44.2          |

\* On a stand 3 feet 11 inches high.

† Mean of 30 days.

‡ On a stand 4 feet high.

TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

## 68. PACHPADRA (corrected).\*

## 69. JACOBABAD (corrected).\*

| MONTH.            | Mean.  | MAXIMUM.   |       | MINIMUM.    |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean.      | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|--------|------------|-------|-------------|-------|----------------------------|---------------|---------------|------------|----------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |        | Day.       | °     | Day.        | °     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |            | Day.     | °     | Day.     | °     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 138.7  | 9th & 18th | 146.2 | 12th        | 131.2 | 60.3                       | 63.5          | 54.5          | 132.2      | 17th     | 144.3 | 18th     | 76.6  | 60.4                       | 74.6          | 7.8           |
| February . . .    | 144.5  | 26th       | 157.2 | 2nd         | 133.2 | 62.6                       | 67.6          | 58.2          | 140.7      | 27th     | 157.3 | 23rd     | 124.8 | 65.8                       | 74.1          | 49.4          |
| March . . .       | 154.8  | 29th       | 169.7 | 6th         | 136.2 | 61.7                       | 70.0          | 51.1          | 153.7      | 28th     | 164.8 | 6th      | 123.1 | 66.1                       | 77.3          | 51.7          |
| April . . .       | 164.7  | 27th       | 176.0 | 1st         | 149.0 | 58.6                       | 64.5          | 52.2          | 167.8      | 27th     | 177.2 | 1st      | 152.9 | 63.6                       | 69.8          | 58.5          |
| May . . .         | 169.1  | 25th       | 181.4 | 29th        | 162.0 | 57.5                       | 64.1          | 53.6          | 170.9      | 27th     | 179.5 | 31st     | 159.2 | 57.9                       | 63.9          | 45.4          |
| June . . .        | 163.1  | 1st        | 172.7 | 21st        | 152.0 | 57.7                       | 65.2          | 54.3          | 168.3      | 13th     | 174.3 | 30th     | 161.6 | 55.8                       | 60.3          | 47.3          |
| July . . .        | 158.7  | 16th       | 167.5 | 25th        | 150.3 | 62.6                       | 71.4          | 54.8          | 165.0      | 2nd      | 172.8 | 13th     | 148.6 | 58.4                       | 67.6          | 45.2          |
| August . . .      | 155.9† | 14th       | 170.5 | 5th         | 146.0 | 60.5†                      | 65.7          | 55.0          | 164.1      | 21st     | 170.2 | 26th     | 159.5 | 58.9                       | 62.4          | 56.2          |
| September . . .   | 155.8‡ | 30th       | 163.8 | 12th        | 149.6 | 57.7‡                      | 66.9          | 53.6          | 164.1      | 12th     | 171.0 | 29th     | 158.4 | 59.6                       | 64.5          | 55.5          |
| October . . .     | 160.6  | 3rd        | 167.5 | 31st        | 153.2 | 59.3                       | 63.7          | 52.8          | 160.4      | 1st      | 169.6 | 7th      | 135.5 | 60.5                       | 64.2          | 39.6          |
| November . . .    | 150.8  | 21st       | 160.2 | 27th & 28th | 141.4 | 58.4                       | 66.9          | 55.3          | 140.5      | 11th     | 157.0 | 23rd     | 83.8  | 52.9                       | 62.8          | 4.6           |
| December . . .    | 141.2  | 8th        | 149.4 | 28th        | 131.9 | 59.2                       | 63.3          | 55.7          | Imperfect. |          |       |          |       |                            |               |               |
| Year . . .        | 154.8  | ...        | 181.4 | ...         | 131.2 | 59.7                       | 71.4          | 51.1          | ...        | ...      | ...   | ...      | ...   | ...                        | ...           | ...           |
| Means of extremes | ...    | ...        | 165.2 | ...         | 144.7 | ...                        | 66.1          | 54.3          | ...        | ...      | ...   | ...      | ...   | ...                        | ...           | ...           |

† Mean of 26 days.

‡ Mean of 29 days.

\* On a stand 4 feet high.

## 70. HYDERABAD (corrected).\*

## 71. KURRACHEE (corrected).\*

| MONTH.            | Mean. | MAXIMUM.    |       | MINIMUM.   |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM.           |       | MINIMUM.    |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|-------------|-------|------------|-------|----------------------------|---------------|---------------|-------|--------------------|-------|-------------|-------|----------------------------|---------------|---------------|
|                   |       | Day.        | °     | Day.       | °     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.               | °     | Day.        | °     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 141.3 | 22nd        | 161.9 | 6th        | 127.3 | Shade maximum imperfect.   |               |               | 144.9 | 24th               | 154.2 | 6th         | 137.4 | 68.9                       | 79.4          | 61.0          |
| February . . .    | 135.3 | 26th        | 155.7 | 16th       | 125.7 | 56.2                       | 62.6          | 52.4          | 150.7 | 25th               | 165.3 | 7th         | 141.0 | 71.2                       | 77.3          | 65.1          |
| March . . .       | 145.5 | 26th & 27th | 154.9 | 6th        | 111.9 | 55.1                       | 65.2          | 44.0          | 155.5 | 21st               | 167.7 | 6th         | 128.6 | 70.7                       | 79.1          | 51.2          |
| April . . .       | 158.9 | 28th        | 167.7 | 1st        | 144.7 | 54.9                       | 61.7          | 44.6          | 159.4 | 3rd                | 165.8 | 16th        | 155.6 | 69.4                       | 73.4          | 64.8          |
| May . . .         | 160.6 | 26th        | 177.5 | 16th       | 145.8 | 50.5                       | 59.2          | 38.8          | 161.7 | 15th               | 178.6 | 17th        | 150.6 | 65.0                       | 71.8          | 47.9          |
| June . . .        | 159.5 | 18th        | 168.8 | 9th        | 151.3 | 55.3                       | 60.6          | 49.7          | 161.6 | 6th                | 166.6 | 24th        | 156.3 | 66.5                       | 71.4          | 62.0          |
| July . . .        | 161.9 | 18th        | 173.4 | 16th       | 142.4 | 63.2                       | 78.8          | 45.2          | 153.8 | 9th, 11th, & 14th. | 165.6 | 24th        | 103.9 | 63.8                       | 72.6          | 23.7          |
| August . . .      | 156.4 | 28th        | 166.6 | 22nd       | 128.2 | 61.5                       | 70.0          | 42.0          | 153.8 | 17th               | 163.6 | 30th        | 129.8 | 66.9                       | 76.2          | 45.2          |
| September . . .   | 157.7 | 1st         | 169.0 | 3rd        | 151.2 | 61.5                       | 74.0          | 56.4          | 155.5 | 18th               | 164.6 | 7th         | 135.5 | 68.7                       | 77.5          | 52.1          |
| October . . .     | 159.5 | 4th         | 171.0 | 8th & 19th | 144.2 | 60.3                       | 65.0          | 48.4          | 159.5 | 3rd                | 172.3 | 20th        | 135.6 | 64.1                       | 69.2          | 40.2          |
| November . . .    | 149.1 | 14th        | 161.2 | 17th       | 135.8 | 61.7                       | 69.5          | 56.3          | 153.3 | 5th                | 168.4 | 16th & 26th | 144.6 | 65.1                       | 74.5          | 60.8          |
| December . . .    | 139.6 | 8th         | 147.0 | 27th       | 131.4 | 61.4                       | 66.0          | 58.1          | 145.8 | 20th               | 151.8 | 27th        | 139.5 | 65.7                       | 74.5          | 61.4          |
| Year . . .        | 152.1 | ...         | 177.5 | ...        | 111.9 | ...                        | ...           | ...           | 154.6 | ...                | 178.6 | ...         | 103.9 | 67.2                       | 79.4          | 23.7          |
| Means of extremes | ...   | ...         | 164.6 | ...        | 136.7 | ...                        | ...           | ...           | ...   | ...                | 165.4 | ...         | 138.2 | ...                        | 74.7          | 53.0          |

\* On a stand 4 feet high.

TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

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72. BHUJ (corrected).\*

73. RAJKOT (corrected).\*

| MONTH.            | Mean.  | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |          |          | Mean.                                 | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |          |          |
|-------------------|--------|----------|-------|----------|-------|----------------------------|----------|----------|---------------------------------------|----------|-------|----------|-------|----------------------------|----------|----------|
|                   |        | Day.     | °     | Day.     | °     | Mean.                      | Maximum. | Minimum. |                                       | Day.     | °     | Day.     | °     | Mean.                      | Maximum. | Minimum. |
| January . . .     | 138°6† | 19th     | 146°9 | 12th     | 108°5 | 60°6†                      | 68°3     | 31°4     | 140°5                                 | 8th      | 144°2 | 27th     | 135°8 | 55°7                       | 59°1     | 53°2     |
| February . . .    | 146°7  | 28th     | 158°4 | 1st      | 135°6 | 63°1                       | 66°3     | 57°8     | Imperfect.<br>Ditto.<br>Not recorded. |          |       |          |       |                            |          |          |
| March . . .       | 155°4  | 3rd      | 163°7 | 6th      | 144°3 | 63°1                       | 69°5     | 55°4     |                                       |          |       |          |       |                            |          |          |
| April . . .       | 162°6  | 27th     | 171°4 | 1st      | 151°5 | 60°6                       | 64°6     | 57°8     |                                       |          |       |          |       |                            |          |          |
| May . . .         | 162°2  | 24th     | 174°1 | 5th      | 157°4 | 58°2                       | 65°8     | 54°9     | 157°4                                 | 26th     | 164°9 | 21st     | 147°4 | 48°4                       | 53°5     | 38°2     |
| June . . .        | 160°0  | 3rd      | 169°5 | 23rd     | 153°5 | 61°5                       | 70°0     | 55°4     | 155°5                                 | 17th     | 161°2 | 19th     | 144°7 | 54°5                       | 62°3     | 47°7     |
| July . . .        | 148°3  | 2nd      | 167°5 | 16th     | 99°7  | 60°1                       | 74°0     | 17°2     | 143°5                                 | 11th     | 157°1 | 26th     | 132°4 | 52°8                       | 67°0     | 37°5     |
| August . . .      | 146°6  | 19th     | 162°6 | 23rd     | 105°9 | 58°6                       | 71°8     | 25°5     | 155°5                                 | 2nd      | 159°7 | 24th     | 149°7 | 65°0                       | 72°3     | 58°1     |
| September . . .   | 154°4  | 20th     | 169°7 | 3rd      | 130°2 | 61°8                       | 75°5     | 42°4     | 150°7                                 | 21st     | 158°1 | 3rd      | 138°4 | 57°4                       | 64°5     | 49°6     |
| October . . .     | 157°1  | 21st     | 165°5 | 3rd      | 145°5 | 58°9                       | 68°7     | 49°0     | 153°3                                 | 2nd      | 159°6 | 12th     | 147°4 | 56°4                       | 62°7     | 49°9     |
| November . . .    | 149°4  | 12th     | 162°7 | 28th     | 141°3 | 58°4                       | 67°4     | 54°7     | 148°1                                 | 19th     | 155°4 | 10th     | 141°2 | 54°3                       | 61°8     | 46°2     |
| December . . .    | 140°9  | 9th      | 149°0 | 28th     | 132°7 | 59°2                       | 65°5     | 54°6     | 143°4                                 | 6th      | 153°6 | 24th     | 133°1 | 55°8                       | 63°8     | 45°0     |
| Year . . .        | 151°9  | ...      | 174°1 | ...      | 99°7  | 60°3                       | 75°5     | 17°2     | ...                                   | ...      | ...   | ...      | ...   | ...                        | ...      | ...      |
| Means of extremes | ...    | ...      | 163°4 | ...      | 133°8 | ...                        | 69°0     | 46°3     | ...                                   | ...      | ...   | ...      | ...   | ...                        | ...      | ...      |

† Mean of 25 days.

\* On a stand 4 feet high.

74. DEESA (corrected).\*

75. SURAT (corrected).†

| MONTH.            | Mean.  | MAXIMUM.    |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |          |          | Mean. | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |          |          |
|-------------------|--------|-------------|-------|----------|-------|----------------------------|----------|----------|-------|----------|-------|----------|-------|----------------------------|----------|----------|
|                   |        | Day.        | °     | Day.     | °     | Mean.                      | Maximum. | Minimum. |       | Day.     | °     | Day.     | °     | Mean.                      | Maximum. | Minimum. |
| January . . .     | 131°0  | 30th        | 140°1 | 12th     | 123°1 | 49°3                       | 58°2     | 41°2     | 144°3 | 9th      | 151°3 | 26th     | 137°3 | 60°1                       | 67°0     | 54°9     |
| February . . .    | 142°6  | 23rd        | 156°3 | 1st      | 130°7 | 56°1                       | 62°7     | 50°4     | 149°0 | 25th     | 157°4 | 1st      | 132°3 | 58°6                       | 64°2     | 54°6     |
| March . . .       | 151°9  | 21st        | 163°6 | 6th      | 130°6 | 57°0                       | 67°2     | 40°6     | 153°3 | 14th     | 160°8 | 9th      | 144°8 | 58°8                       | 65°7     | 52°9     |
| April . . .       | 160°2  | 25th & 26th | 166°5 | 1st      | 147°5 | 55°7                       | 61°9     | 49°5     | 158°7 | 7th      | 163°4 | 30th     | 151°3 | 57°1                       | 62°3     | 52°8     |
| May . . .         | 161°4  | 24th        | 169°7 | 17th     | 155°4 | 52°8                       | 61°8     | 46°1     | 154°1 | 23rd     | 164°8 | 29th     | 147°1 | 56°4                       | 62°2     | 50°5     |
| June . . .        | 158°6  | 16th        | 166°4 | 24th     | 137°5 | 56°7                       | 62°2     | 48°3     | 145°0 | 4th      | 156°6 | 24th     | 97°6  | Shade maximum imperfect.   |          |          |
| July . . .        | 149°1  | 2nd & 12th  | 164°4 | 4th      | 120°5 | 58°7                       | 70°3     | 33°3     | 140°5 | 13th     | 157°4 | 15th     | 98°2  |                            |          |          |
| August . . .      | 141°0  | 29th        | 160°4 | 21st     | 91°3  | 53°9                       | 71°2     | 11°2     | 144°3 | 12th     | 161°3 | 20th     | 118°6 | 57°5                       | 69°7     | 35°6     |
| September . . .   | 150°5  | 8th         | 155°6 | 6th      | 131°4 | 57°5                       | 66°0     | 43°3     | 150°4 | 23rd     | 162°3 | 2nd      | 122°0 | 59°3                       | 67°7     | 39°6     |
| October . . .     | 152°5  | 1st         | 159°3 | 23rd     | 135°3 | 54°0                       | 65°2     | 37°0     | 149°5 | 2nd      | 157°3 | 22nd     | 136°8 | 58°0                       | 66°5     | 51°6     |
| November . . .    | 145°5† | 18th        | 153°6 | 28th     | 139°7 | 52°3†                      | 59°2     | 48°3     | 148°1 | 14th     | 157°1 | 8th      | 141°6 | 57°7                       | 66°5     | 51°6     |
| December . . .    | 139°6  | 8th         | 146°5 | 28th     | 132°5 | 54°1                       | 59°3     | 50°5     | 143°3 | 17th     | 153°0 | 24th     | 131°3 | 57°1                       | 64°3     | 51°0     |
| Year . . .        | 148°7  | ...         | 169°7 | ...      | 91°3  | 54°8                       | 71°2     | 11°2     | 148°4 | ...      | 164°8 | ...      | 97°6  | ...                        | ...      | ...      |
| Means of extremes | ...    | ...         | 158°5 | ...      | 131°3 | ...                        | 63°8     | 41°6     | ...   | ...      | 158°6 | ...      | 129°9 | ...                        | ...      | ...      |

\* On a stand 4 feet high.

† Mean of 29 days.

‡ On a stand 4'3 feet high.

TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

## 76. MALEGAON (corrected).\*

## 77. BOMBAY (corrected).\*

| MONTH.            | Mean. | MAXIMUM.   |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM.    |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|------------|-------|----------|-------|----------------------------|---------------|---------------|-------|-------------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |       | Day.       | °     | Day.     | °     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.        | °     | Day.     | °     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 138°5 | 10th       | 143°9 | 5th      | 134°2 | 55°2                       | 62°3          | 50°9          | 139°0 | 10th        | 144°6 | 19th     | 133°3 | 57°7                       | 61°5          | 52°2          |
| February . . .    | 145°6 | 27th       | 154°5 | 1st      | 135°4 | 55°2                       | 60°1          | 52°1          | 141°2 | 23rd        | 147°1 | 1st      | 135°3 | 59°2                       | 62°6          | 56°4          |
| March . . .       | 151°3 | 21st       | 158°2 | 9th      | 143°7 | 54°7                       | 61°1          | 51°2          | 144°1 | 12th        | 154°2 | 3rd      | 138°7 | 57°7                       | 61°2          | 53°2          |
| April . . .       | 157°6 | 29th       | 164°7 | 4th      | 151°1 | 54°0                       | 59°5          | 51°6          | 145°9 | 23rd        | 153°5 | 2nd      | 142°9 | 57°8                       | 65°4          | 54°0          |
| May . . .         | 158°6 | 4th & 20th | 164°4 | 29th     | 152°2 | 54°1                       | 66°5          | 48°3          | 149°0 | 21st        | 153°5 | 30th     | 143°8 | 58°3                       | 62°5          | 53°4          |
| June . . .        | 151°4 | 5th        | 159°2 | 29th     | 125°4 | 57°3                       | 63°6          | 41°0          | 137°9 | 10th        | 152°1 | 27th     | 95°0  | 50°5                       | 63°3          | 13°1          |
| July . . .        | 139°8 | 2nd & 10th | 152°3 | 22nd     | 95°4  | 53°2                       | 68°0          | 18°1          | 130°0 | 9th         | 149°6 | 22nd     | 99°5  | 46°0                       | 62°6          | 18°6          |
| August . . .      | 144°3 | 10th       | 160°2 | 15th     | 114°9 | 58°7                       | 69°5          | 32°4          | 139°9 | 14th & 17th | 151°2 | 15th     | 115°6 | 55°5                       | 68°9          | 34°8          |
| September . . .   | 151°7 | 29th       | 158°8 | 1st      | 138°9 | 61°9                       | 69°7          | 52°9          | 142°1 | 25th        | 153°9 | 2nd      | 96°1  | 57°1                       | 67°2          | 16°0          |
| October . . .     | 150°0 | 7th        | 156°1 | 21st     | 137°8 | 61°8                       | 71°7          | 53°8          | 143°3 | 24th        | 155°4 | 20th     | 126°0 | 57°6                       | 68°5          | 42°8          |
| November . . .    | 144°2 | 12th       | 156°7 | 23rd     | 136°4 | 57°1                       | 68°5          | 53°0          | 142°2 | 2nd         | 149°5 | 26th     | 133°5 | 56°0                       | 59°3          | 48°5          |
| December . . .    | 136°7 | 10th       | 146°7 | 12th     | 120°7 | 54°6                       | 68°9          | 47°5          | 140°6 | 18th        | 145°7 | 23rd     | 133°4 | 57°6                       | 62°9          | 53°8          |
| Year . . .        | 147°5 | ...        | 164°7 | ...      | 95°4  | 56°5                       | 71°7          | 18°1          | 141°3 | ...         | 155°4 | ...      | 95°0  | 55°9                       | 68°9          | 13°1          |
| Means of extremes | ...   | ...        | 156°3 | ...      | 132°2 | ...                        | 65°8          | 46°1          | ...   | ...         | 150°9 | ...      | 124°4 | ...                        | 63°8          | 41°4          |

\* On a stand 4 feet high.

## 78. POONA (corrected).\*

## 79. SHOLAPUR (corrected).\*

| MONTH.            | Mean. | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean.         | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|----------|-------|----------|-------|----------------------------|---------------|---------------|---------------|----------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |       | Day.     | °     | Day.     | °     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |               | Day.     | °     | Day.     | °     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 135°5 | 30th     | 143°0 | 19th     | 115°2 | 51°6                       | 58°9          | 35°6          | Not recorded. |          |       |          |       |                            |               |               |
| February . . .    | 146°1 | 27th     | 157°3 | 1st      | 134°1 | 53°7                       | 58°1          | 50°5          |               |          |       |          |       |                            |               |               |
| March . . .       | 151°8 | 3rd      | 167°8 | 25th     | 141°3 | 55°1                       | 67°4          | 51°3          |               |          |       |          |       |                            |               |               |
| April . . .       | 157°5 | 20th     | 171°0 | 14th     | 149°3 | 54°3                       | 64°7          | 48°9          |               |          |       |          |       |                            |               |               |
| May . . .         | 153°6 | 3rd      | 169°6 | 31st     | 145°2 | 53°4                       | 66°3          | 46°8          |               |          |       |          |       |                            |               |               |
| June . . .        | 144°5 | 5th      | 159°3 | 18th     | 96°8  | 55°0                       | 67°1          | 19°6          | Imperfect.    |          |       |          |       |                            |               |               |
| July . . .        | 133°4 | 9th      | 149°0 | 22nd     | 82°0  | 50°5                       | 63°3          | 8°6           |               |          |       |          |       |                            |               |               |
| August . . .      | 139°6 | 13th     | 149°5 | 15th     | 100°9 | 55°7                       | 63°3          | 24°0          | 140°3         | 29th     | 163°4 | 16th     | 84°8  | 54°2                       | 76°0          | 8°8           |
| September . . .   | 145°1 | 22nd     | 156°5 | 2nd      | 89°7  | 57°8                       | 67°7          | 12°5          | 154°0         | 23rd     | 168°4 | 2nd      | 104°4 | 63°5                       | 78°0          | 15°4          |
| October . . .     | 143°6 | 17th     | 150°8 | 20th     | 93°0  | 57°6                       | 65°3          | 14°8          | 151°0         | 11th     | 161°8 | 20th     | 123°0 | 64°2                       | 76°0          | 43°4          |
| November . . .    | 137°1 | 3rd      | 150°9 | 11th     | 110°8 | 51°9                       | 62°6          | 31°2          | 149°2         | 2nd      | 156°7 | 8th      | 130°5 | 61°6                       | 68°3          | 43°7          |
| December . . .    | 135°0 | 16th     | 147°0 | 11th     | 103°0 | 52°4                       | 63°9          | 27°1          | 142°1         | 9th      | 156°4 | 11th     | 112°4 | 58°4                       | 73°7          | 35°3          |
| Year . . .        | 143°6 | ...      | 171°0 | ...      | 82°0  | 54°1                       | 67°7          | 8°6           | ...           | ...      | ...   | ...      | ...   | ...                        | ...           | ...           |
| Means of extremes | ...   | ...      | 156°0 | ...      | 113°4 | ...                        | 64°1          | 30°9          | ...           | ...      | ...   | ...      | ...   | ...                        | ...           | ...           |

\* On a stand 4 feet high.

TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

21

80. RATNAGIRI (*corrected*).\*81. BELGAUM (*corrected*).\*

| MONTH.            | Mean. | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM.    |       | MINIMUM.  |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|----------|-------|----------|-------|----------------------------|---------------|---------------|-------|-------------|-------|-----------|-------|----------------------------|---------------|---------------|
|                   |       | Day.     | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.        | o     | Day.      | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 144.5 | 5th      | 149.1 | 25th     | 138.1 | 58.8                       | 65.1          | 54.3          | 141.1 | 21st        | 147.9 | 5th       | 133.8 | 58.4                       | 61.8          | 55.0          |
| February . . .    | 145.0 | 13th     | 148.7 | 18th     | 138.1 | 57.1                       | 62.4          | 50.2          | 146.1 | 26th & 28th | 154.4 | 3rd & 4th | 138.7 | 56.8                       | 61.8          | 54.6          |
| March . . .       | 148.4 | 14th     | 158.6 | 10th     | 145.5 | 59.3                       | 62.7          | 55.9          | 152.7 | 30th        | 161.9 | 25th      | 146.4 | 59.4                       | 69.3          | 53.4          |
| April . . .       | 148.8 | 30th     | 161.9 | 8th      | 145.9 | 58.4                       | 69.9          | 52.9          | 154.5 | 19th        | 159.0 | 29th      | 147.3 | 56.7                       | 60.2          | 52.7          |
| May . . .         | 149.7 | 25th     | 161.3 | 1st      | 145.3 | 57.3                       | 63.1          | 53.9          | 148.5 | 16th        | 158.3 | 27th      | 137.3 | 57.2                       | 64.6          | 50.8          |
| June . . .        | 134.2 | 14th     | 150.5 | 4th      | 101.9 | 47.7                       | 62.5          | 17.7          | 140.0 | 9th         | 152.9 | 18th      | 100.2 | 60.1                       | 67.4          | 28.0          |
| July . . .        | 125.1 | 7th      | 142.6 | 10th     | 90.9  | 41.8                       | 56.7          | 12.8          | 132.7 | 6th         | 148.3 | 10th      | 106.0 | 56.6                       | 68.1          | 33.7          |
| August . . .      | 140.5 | 8th      | 153.3 | 17th     | 113.1 | 57.5                       | 67.5          | 33.3          | 136.8 | 12th        | 148.4 | 18th      | 107.4 | 59.8                       | 68.8          | 36.3          |
| September . . .   | 146.0 | 10th     | 152.3 | 2nd      | 139.3 | 61.1                       | 69.3          | 57.4          | 148.5 | 21st        | 158.2 | 2nd       | 120.8 | 66.1                       | 76.2          | 46.0          |
| October . . .     | 142.4 | 9th      | 153.9 | 1st      | 98.9  | 56.9                       | 68.5          | 20.2          | 142.9 | 26th        | 152.6 | 2nd       | 116.3 | 62.5                       | 69.8          | 43.7          |
| November . . .    | 146.1 | 4th      | 159.7 | 11th     | 114.7 | 57.2                       | 65.7          | 29.9          | 140.9 | 15th        | 150.4 | 10th      | 113.8 | 58.4                       | 67.9          | 40.3          |
| December . . .    | 143.7 | 17th     | 149.3 | 12th     | 137.9 | 55.6                       | 61.5          | 52.1          | 140.3 | 12th        | 150.1 | 11th      | 130.7 | 59.7                       | 70.7          | 54.7          |
| Year . . .        | 142.9 | ...      | 161.9 | ...      | 90.9  | 55.7                       | 69.9          | 12.8          | 143.8 | ...         | 161.9 | ...       | 100.2 | 59.3                       | 76.2          | 28.0          |
| Means of extremes | ...   | ...      | 153.4 | ...      | 125.8 | ...                        | 64.6          | 40.9          | ...   | ...         | 153.5 | ...       | 124.9 | ...                        | 67.2          | 45.8          |

\* On a stand 4 feet high.

82. KARWAR (*corrected*).\*

## 83. VIZAGAPATAM.†

| MONTH.            | Mean. | MAXIMUM.    |       | MINIMUM.  |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean.   | MAXIMUM.          |       | MINIMUM.    |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|-------------|-------|-----------|-------|----------------------------|---------------|---------------|---------|-------------------|-------|-------------|-------|----------------------------|---------------|---------------|
|                   |       | Day.        | o     | Day.      | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |         | Day.              | o     | Day.        | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 143.8 | 17th        | 151.9 | 20th      | 127.0 | 58.2                       | 63.0          | 43.5          | 107.8   | 25th              | 112.2 | 6th         | 98.5  | 30.3                       | 35.7          | 22.3          |
| February . . .    | 148.1 | 7th         | 154.1 | 2nd & 3rd | 142.0 | 59.8                       | 62.9          | 56.9          | 113.5   | 2nd & 6th         | 118.0 | 3rd         | 102.0 | 31.6                       | 38.7          | 21.4          |
| March . . .       | 148.5 | 10th & 11th | 152.0 | 16th      | 145.0 | 59.3                       | 64.2          | 55.6          | 112.7   | 23rd              | 118.0 | 22nd        | 107.5 | 26.7                       | 32.5          | 22.0          |
| April . . .       | 147.8 | 3rd         | 154.0 | 23rd      | 145.0 | 57.5                       | 62.1          | 54.3          | 110.4   | 14th              | 117.0 | 6th         | 104.4 | 22.2                       | 29.0          | 17.9          |
| May . . .         | 146.0 | 13th        | 151.2 | 25th      | 139.0 | 55.3                       | 60.1          | 45.7          | 112.5†  | 3rd               | 121.3 | 18th        | 87.0  | 23.4†                      | 32.3          | 1.4           |
| June . . .        | 134.2 | 8th & 20th  | 149.0 | 6th       | 92.0  | 48.4                       | 62.3          | 9.8           | 108.0§  | 3rd               | 118.0 | 21st        | 90.0  | 19.1§                      | 28.7          | 1.2           |
| July . . .        | 117.5 | 26th        | 148.1 | 10th      | 81.0  | 35.9                       | 65.7          | 2.6           | 108.8   | 25th              | 127.0 | 12th        | 92.0  | 20.8                       | 37.4          | 6.5           |
| August . . .      | 130.4 | 29th        | 148.0 | 13th      | 101.0 | 48.8                       | 65.1          | 22.8          | 110.5¶  | 12th              | 123.0 | 15th        | 94.0  | 22.7¶                      | 35.8          | 9.8           |
| September . . .   | 144.1 | 23rd        | 151.8 | 2nd       | 117.8 | 61.0                       | 67.8          | 36.6          | 116.3** | 14th, 16th & 24th | 122.0 | 10th & 11th | 110.0 | 27.8**                     | 34.5          | 20.7          |
| October . . .     | 140.4 | 13th        | 159.0 | 7th       | 108.0 | 56.9                       | 72.3          | 26.2          | 114.3†† | 27th              | 123.0 | 5th         | 99.0  | 29.2††                     | 37.8          | 14.0          |
| November . . .    | 143.0 | 26th        | 153.0 | 10th      | 96.0  | 56.4                       | 63.8          | 15.3          | 109.3§  | 13th              | 118.0 | 22nd        | 103.0 | 26.8††                     | 32.8          | 22.8          |
| December . . .    | 144.2 | 9th         | 149.9 | 10th      | 128.6 | 57.3                       | 66.2          | 45.9          | 109.2‡  | 14th              | 120.0 | 6th         | 104.0 | 31.2‡                      | 39.7          | 24.2          |
| Year . . .        | 140.7 | ...         | 159.0 | ...       | 81.0  | 54.6                       | 72.3          | 2.6           | 111.1   | ...               | 127.0 | ...         | 87.0  | 26.0                       | 39.7          | 1.2           |
| Means of extremes | ...   | ...         | 151.8 | ...       | 118.5 | ...                        | 64.6          | 34.6          | ...     | ...               | 119.8 | ...         | 99.3  | ...                        | 34.6          | 15.4          |

\* On a stand 4 feet high.

† The instrument is not in vacuo.

¶ Mean of 24 days.

‡ Mean of 30 days.

\*\* " " 29 "

§ " " 27 "

†† " " 25 "

|| " " 26 "

‡‡ " " 28 "

TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

84. RAJAHMUNDY (*corrected*).\*85. MASULIPATAM (*corrected*).\*

| MONTH.            | Mean.  | MAXIMUM.      |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|--------|---------------|-------|----------|-------|----------------------------|---------------|---------------|-------|----------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |        | Day.          | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . .       |        | Not recorded. |       |          |       |                            |               |               | 137°0 | 19th     | 142°0 | 16th     | 127°9 | 54°6                       | 58°9          | 46°4          |
| February . .      |        | Ditto.        |       |          |       |                            |               |               | 142°4 | 2nd      | 151°2 | 7th      | 138°1 | 55°3                       | 66°0          | 51°6          |
| March . .         |        | Ditto.        |       |          |       |                            |               |               | 145°7 | 24th     | 153°8 | 8th      | 141°5 | 54°2                       | 59°8          | 51°3          |
| April . .         |        | Ditto.        |       |          |       |                            |               |               | 147°2 | 5th      | 157°7 | 9th      | 143°6 | 52°1                       | 57°6          | 48°4          |
| May . .           |        | Ditto.        |       |          |       |                            |               |               | 153°3 | 8th      | 174°4 | 1st      | 142°9 | 56°1                       | 69°5          | 49°5          |
| June . .          |        | Ditto.        |       |          |       |                            |               |               | 145°1 | 12th     | 163°2 | 20th     | 101°2 | 50°3                       | 63°2          | 19°3          |
| July . .          |        | Ditto.        |       |          |       |                            |               |               | 132°7 | 2nd      | 155°9 | 21st     | 105°2 | 40°9                       | 61°1          | 19°1          |
| August . .        | 139°7† | 28th          | 162°3 | 18th     | 91°2  | 51°0†                      | 69°9          | 14°7          | 125°7 | 23rd     | 146°7 | 17th     | 82°8  | 36°5                       | 52°9          | 6°9           |
| September . .     | 151°7  | 20th          | 166°9 | 30th     | 117°4 | 59°0                       | 70°1          | 32°9          | 139°7 | 29th     | 150°4 | 1st      | 84°9  | 45°5†                      | 58°8          | 8°2           |
| October . .       | 142°3  | 30th          | 162°6 | 18th     | 80°7  | 54°9                       | 71°1          | 3°3           | 134°5 | 27th     | 147°9 | 1st      | 96°9  | Shade maximum imperfect.   |               |               |
| November . .      | 149°3  | 26th          | 157°7 | 9th      | 133°2 | 61°8                       | 69°6          | 51°7          | 140°8 | 23rd     | 149°9 | 9th      | 129°1 | 54°8                       | 61°3          | 50°0          |
| December . .      | 144°5  | 3rd           | 154°2 | 9th      | 131°6 | 60°3                       | 70°2          | 52°0          | 136°7 | 12th     | 147°4 | 9th      | 123°9 | 54°2                       | 63°3          | 42°9          |
| Year . .          | ...    | ...           | ...   | ...      | ...   | ...                        | ...           | ...           | 140°1 | ...      | 174°4 | ...      | 82°8  | ...                        | ...           | ...           |
| Means of extremes | ...    | ...           | ...   | ...      | ...   | ...                        | ...           | ...           | ...   | ...      | 153°4 | ...      | 118°2 | ...                        | ...           | ...           |

† Mean of 26 days.

\* On a stand 2 feet 9 inches high.

‡ Mean of 21 days.

86. SECUNDERABAD (*corrected*).\*87. KURNOOL (*corrected*).\*

| MONTH.            | Mean. | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|----------|-------|----------|-------|----------------------------|---------------|---------------|-------|----------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |       | Day.     | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . .       | 134°1 | 30th     | 146°3 | 3rd      | 127°9 | 51°4                       | 59°3          | 47°2          | 135°1 | 30th     | 153°8 | 11th     | 126°4 | 48°2                       | 60°8          | 42°7          |
| February . .      | 141°6 | 27th     | 151°7 | 1st      | 134°6 | 51°2                       | 55°7          | 47°9          | 150°7 | 28th     | 160°4 | 7th      | 139°2 | 56°5                       | 65°8          | 49°2          |
| March . .         | 148°4 | 7th      | 159°0 | 12th     | 141°3 | 51°5                       | 59°7          | 46°5          | 157°4 | 30th     | 163°8 | 9th      | 149°8 | 56°9                       | 63°7          | 53°4          |
| April . .         | 153°6 | 20th     | 160°2 | 30th     | 148°9 | 50°5                       | 56°5          | 46°6          | 161°1 | 3rd      | 168°4 | 23rd     | 156°4 | 54°6                       | 62°3          | 51°2          |
| May . .           | 150°9 | 10th     | 162°4 | 18th     | 118°7 | 50°1                       | 56°6          | 29°5          | 158°1 | 17th     | 166°4 | 31st     | 120°4 | 54°3                       | 62°8          | 36°8          |
| June . .          | 137°3 | 2nd      | 154°3 | 24th     | 115°5 | 46°1                       | 57°6          | 29°8          | 148°7 | 2nd      | 162°6 | 20th     | 126°8 | 54°8                       | 68°8          | 39°1          |
| July . .          | 125°1 | 5th      | 147°5 | 21st     | 88°1  | 40°1                       | 59°1          | 12°2          | 143°5 | 19th     | 154°4 | 17th     | 114°4 | 53°5                       | 64°4          | 29°1          |
| August . .        | 129°5 | 11th     | 145°8 | 17th     | 79°8  | 44°6                       | 60°4          | 7°4           | 141°9 | 4th      | 155°4 | 18th     | 97°0  | 53°9                       | 66°1          | 19°9          |
| September . .     | 145°0 | 27th     | 157°7 | 30th     | 123°6 | 55°5                       | 65°9          | 38°6          | 147°0 | 16th     | 159°9 | 1st      | 114°7 | 55°5                       | 67°1          | 28°3          |
| October . .       | 142°1 | 26th     | 156°5 | 16th     | 119°0 | 55°7                       | 68°0          | 39°5          | 139°4 | 23rd     | 150°9 | 13th     | 101°4 | 50°8                       | 59°5          | 21°2          |
| November . .      | 138°4 | 2nd      | 147°8 | 10th     | 102°0 | 54°0                       | 59°3          | 27°4          | 137°2 | 3rd      | 146°9 | 9th      | 124°8 | 48°3                       | 55°9          | 42°3          |
| December . .      | 133°0 | 15th     | 145°8 | 9th      | 86°0  | 51°0                       | 59°0          | 16°3          | 129°9 | 16th     | 141°4 | 10th     | 103°0 | 44°6                       | 53°7          | 25°5          |
| Year . .          | 139°9 | ...      | 162°4 | ...      | 79°8  | 50°1                       | 68°0          | 7°4           | 145°8 | ...      | 168°4 | ...      | 97°0  | 52°7                       | 68°8          | 19°9          |
| Means of extremes | ...   | ...      | 152°9 | ...      | 115°5 | ...                        | 59°8          | 32°4          | ...   | ...      | 157°0 | ...      | 122°9 | ...                        | 62°6          | 36°6          |

\* On a stand 3 feet high.

TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

23

88. BELLARY (*corrected*).89. MANGALORE (*corrected*)\*.

| MONTH.            | Mean. | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|----------|-------|----------|-------|----------------------------|---------------|---------------|-------|----------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |       | Day.     | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 126'3 | 28th     | 135'8 | 8th      | 118'7 | 39'7                       | 46'1          | 36'5          | 145'8 | 4th      | 151'4 | 24th     | 141'4 | 59'0                       | 64'5          | 51'7          |
| February . . .    | 133'4 | 28th     | 144'7 | 1st      | 127'6 | 40'6                       | 47'1          | 37'2          | 149'8 | 13th     | 159'4 | 1st      | 140'9 | 60'4                       | 66'6          | 56'7          |
| March . . .       | 140'9 | 30th     | 147'3 | 9th      | 135'7 | 41'8                       | 47'3          | 39'2          | 148'4 | 18th     | 152'0 | 5th      | 142'5 | 59'0                       | 61'9          | 53'7          |
| April . . .       | 147'0 | 28th     | 153'2 | 18th     | 143'3 | 42'9                       | 50'1          | 39'2          | 149'6 | 28th     | 153'1 | 19th     | 146'1 | 58'4                       | 61'5          | 56'2          |
| May . . .         | 145'5 | 6th      | 155'7 | 24th     | 139'8 | 44'2                       | 53'6          | 38'5          | 145'5 | 13th     | 155'2 | 25th     | 121'2 | 55'5                       | 68'6          | 37'8          |
| June . . .        | 138'0 | 14th     | 150'5 | 28th     | 124'6 | 45'0                       | 57'0          | 35'4          | 139'5 | 8th      | 152'8 | 7th      | 97'2  | 53'7                       | 66'5          | 11'9          |
| July . . .        | 134'6 | 7th      | 146'8 | 14th     | 109'6 | 43'8                       | 51'8          | 25'6          | 132'6 | 4th      | 148'9 | 25th     | 96'6  | 50'9                       | 68'1          | 18'2          |
| August . . .      | 132'3 | 4th      | 146'2 | 16th     | 102'0 | 43'1                       | 56'3          | 19'5          | 141'1 | 17th     | 148'5 | 15th     | 127'4 | 59'9                       | 69'4          | 47'5          |
| September . . .   | 136'2 | 20th     | 147'1 | 13th     | 116'5 | 44'0                       | 51'7          | 24'8          | 147'5 | 23rd     | 154'8 | 5th      | 137'2 | 64'7                       | 71'7          | 55'3          |
| October . . .     | 127'7 | 20th     | 139'0 | 10th     | 99'1  | 38'9                       | 50'9          | 19'7          | 146'0 | 29th     | 157'0 | 10th     | 116'2 | 61'8                       | 72'1          | 36'8          |
| November . . .    | 125'8 | 18th     | 135'6 | 10th     | 109'6 | 38'3                       | 48'8          | 32'3          | 145'1 | 5th      | 157'2 | 10th     | 99'9  | 58'5                       | 67'6          | 24'7          |
| December . . .    | 118'3 | 14th     | 129'0 | 10th     | 83'8  | 34'3                       | 42'3          | 13'8          | 148'8 | 2nd      | 155'3 | 15th     | 141'9 | 60'9                       | 69'2          | 53'4          |
| Year . . .        | 133'8 | ...      | 155'7 | ...      | 83'8  | 41'4                       | 57'0          | 13'8          | 145'0 | ...      | 159'4 | ...      | 96'6  | 58'6                       | 72'1          | 11'9          |
| Means of extremes | ...   | ...      | 144'2 | ...      | 117'5 | ...                        | 50'3          | 30'1          | ...   | ...      | 153'8 | ...      | 125'7 | ...                        | 67'3          | 42'0          |

\* On a stand 3 feet 7 inches high.

90. MERCARA (*corrected*)\*.91. BANGALORE (*corrected*).†

| MONTH.            | Mean. | MAXIMUM.    |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|-------------|-------|----------|-------|----------------------------|---------------|---------------|-------|----------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |       | Day.        | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 144'7 | 27th        | 156'0 | 4th      | 132'5 | 68'6                       | 76'9          | 61'3          | 123'7 | 31st     | 137'3 | 4th      | 99'0  | 43'7                       | 52'7          | 27'9          |
| February . . .    | 152'0 | 6th         | 167'1 | 5th      | 143'5 | 70'1                       | 84'6          | 61'8          | 130'3 | 2nd      | 138'5 | 9th      | 124'5 | 44'5                       | 54'7          | 40'4          |
| March . . .       | 153'2 | 10th        | 159'5 | 6th      | 147'5 | 67'4                       | 73'7          | 61'6          | 136'9 | 24th     | 145'1 | 12th     | 129'6 | 46'2                       | 52'6          | 42'6          |
| April . . .       | 153'2 | 14th & 18th | 158'5 | 30th     | 145'3 | 66'1                       | 75'6          | 62'0          | 139'5 | 4th      | 147'4 | 30th     | 131'8 | 45'0                       | 52'7          | 40'0          |
| May . . .         | 147'5 | 17th & 29th | 158'5 | 24th     | 113'5 | 67'1                       | 82'9          | 43'3          | 129'3 | 5th      | 144'3 | 23rd     | 92'3  | 40'8                       | 49'7          | 12'6          |
| June . . .        | 136'0 | 9th         | 151'5 | 15th     | 97'5  | 62'1                       | 78'5          | 30'3          | 121'9 | 27th     | 130'7 | 30th     | 108'6 | 38'6                       | 45'9          | 29'0          |
| July . . .        | 125'3 | 31st        | 149'5 | 14th     | 97'5  | 54'0                       | 77'6          | 29'8          | 120'5 | 7th      | 130'4 | 22nd     | 102'7 | 40'0                       | 49'5          | 28'5          |
| August . . .      | 130'6 | 25th        | 152'5 | 15th     | 110'5 | 59'3                       | 81'7          | 38'5          | 122'2 | 5th      | 132'3 | 9th      | 104'5 | 42'3                       | 52'9          | 30'3          |
| September . . .   | 143'5 | 23rd        | 159'5 | 1st      | 116'5 | 70'0                       | 82'4          | 46'2          | 127'5 | 25th     | 135'3 | 8th      | 113'4 | 45'8                       | 52'1          | 34'9          |
| October . . .     | 143'0 | 26th        | 153'5 | 15th     | 114'5 | 69'2                       | 77'1          | 42'3          | 124'6 | 24th     | 135'6 | 29th     | 98'6  | 43'5                       | 54'7          | 22'7          |
| November . . .    | 141'5 | 15th        | 153'5 | 10th     | 101'5 | 66'8                       | 76'0          | 36'3          | 123'0 | 3rd      | 130'8 | 9th      | 94'6  | 44'1                       | 51'4          | 24'3          |
| December . . .    | 141'4 | 30th        | 149'5 | 8th      | 124'5 | 67'7                       | 73'7          | 55'8          | 118'1 | 16th     | 129'3 | 9th      | 80'0  | 42'0                       | 50'6          | 17'0          |
| Year . . .        | 142'7 | ...         | 167'1 | ...      | 97'5  | 65'7                       | 84'6          | 29'8          | 126'5 | ...      | 147'4 | ...      | 80'0  | 43'0                       | 54'7          | 12'6          |
| Means of extremes | ...   | ...         | 155'8 | ...      | 120'4 | ...                        | 78'4          | 47'4          | ...   | ...      | 136'4 | ...      | 106'6 | ...                        | 51'6          | 29'2          |

\* On a stand 3 feet 4½ inches high.

† On 2 uprights 6 inches high.

TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

92. CUDDAPAH (*corrected*).

## 93. MADRAS.

| MONTH.            | Mean. | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM. |       | MINIMUM.   |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|----------|-------|----------|-------|----------------------------|---------------|---------------|-------|----------|-------|------------|-------|----------------------------|---------------|---------------|
|                   |       | Day.     | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o     | Day.       | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . .       | 147.7 | 17th     | 157.8 | 6th      | 131.0 | 61.0                       | 73.2          | 49.6          | 138.7 | 11th     | 145.2 | 5th        | 112.0 | 55.0                       | 61.9          | 33.4          |
| February . .      | 153.0 | 26th     | 160.3 | 7th      | 145.5 | 56.8                       | 60.7          | 52.1          | 142.3 | 17th     | 145.9 | 1st        | 138.8 | 55.8                       | 59.9          | 53.5          |
| March . . .       | 161.5 | 27th     | 168.6 | 13th     | 155.9 | 59.1                       | 63.6          | 53.6          | 143.2 | 12th     | 148.7 | 10th       | 128.3 | 54.2                       | 58.7          | 42.9          |
| April . . .       | 165.2 | 3rd      | 170.7 | 30th     | 161.8 | 58.2                       | 62.2          | 56.3          | 144.9 | 30th     | 152.5 | 9th & 23rd | 140.9 | 52.8                       | 58.5          | 49.3          |
| May . . .         | 159.2 | 17th     | 171.4 | 23rd     | 123.6 | 56.6                       | 70.1          | 31.8          | 142.2 | 29th     | 155.7 | 23rd       | 97.9  | 47.1                       | 58.7          | 14.7          |
| June . . .        | 151.0 | 25th     | 164.8 | 20th     | 125.6 | 53.1                       | 65.9          | 32.4          | 137.9 | 27th     | 150.5 | 20th       | 100.6 | 43.6                       | 53.9          | 14.2          |
| July . . .        | 150.0 | 1st      | 164.9 | 13th     | 116.7 | 55.9                       | 72.0          | 28.1          | 136.6 | 24th     | 149.2 | 26th       | 116.7 | 44.3                       | 54.1          | 26.6          |
| August . . .      | 150.9 | 31st     | 165.3 | 17th     | 119.8 | 59.4                       | 74.4          | 34.2          | 138.8 | 23rd     | 153.3 | 12th       | 82.5  | 47.6                       | 58.7          | 4.8           |
| September . .     | 154.9 | 4th      | 162.9 | 9th      | 133.1 | 61.3                       | 69.3          | 39.1          | 145.9 | 18th     | 156.9 | 29th       | 101.1 | 51.4                       | 60.0          | 15.7          |
| October . . .     | 143.1 | 4th      | 166.7 | 12th     | 86.7  | 54.6                       | 74.9          | 11.4          | 134.5 | 16th     | 154.2 | 3rd        | 101.3 | 46.0                       | 63.8          | 16.4          |
| November . .      | 150.9 | 24th     | 161.7 | 9th      | 83.9  | 62.5                       | 70.6          | 7.1           | 137.3 | 13th     | 147.8 | 7th & 9th  | 81.0  | 51.8                       | 60.7          | 5.8           |
| December . .      | 146.0 | 3rd      | 157.5 | 9th      | 82.5  | 61.5                       | 72.3          | 15.8          | 136.8 | 30th     | 143.6 | 9th        | 80.7  | 53.7                       | 60.3          | 5.1           |
| Year . . .        | 152.8 | ...      | 171.4 | ...      | 82.5  | 58.3                       | 74.9          | 7.1           | 139.9 | ...      | 156.9 | ...        | 80.7  | 50.3                       | 63.8          | 4.8           |
| Means of extremes | ...   | ...      | 164.4 | ...      | 122.2 | ...                        | 69.1          | 34.3          | ...   | ...      | 150.3 | ...        | 106.8 | ...                        | 59.1          | 23.5          |

94. SALEM (*corrected*).95. WELLINGTON (*corrected*).

| MONTH.            | Mean. | MAXIMUM. |       | MINIMUM.    |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|----------|-------|-------------|-------|----------------------------|---------------|---------------|-------|----------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |       | Day.     | o     | Day.        | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . .       | 136.0 | 11th     | 142.7 | 5th         | 127.7 | 47.2                       | 55.2          | 42.1          | 124.3 | 24th     | 132.3 | 5th      | 109.8 | 57.8                       | 66.4          | 48.2          |
| February . .      | 137.3 | 28th     | 144.1 | 12th        | 133.1 | 43.8                       | 46.6          | 41.8          | 127.7 | 26th     | 132.9 | 6th      | 120.6 | 56.1                       | 63.9          | 51.1          |
| March . . .       | 140.4 | 28th     | 146.3 | 11th & 15th | 134.5 | 41.3                       | 44.5          | 37.7          | 130.0 | 27th     | 136.9 | 14th     | 124.8 | 55.6                       | 62.4          | 52.0          |
| April . . .       | 143.5 | 16th     | 147.0 | 30th        | 132.7 | 40.0                       | 42.7          | 36.2          | 129.7 | 4th      | 140.7 | 29th     | 120.6 | 52.1                       | 60.8          | 44.3          |
| May . . .         | 134.8 | 9th      | 143.2 | 23rd        | 119.2 | 37.6                       | 45.1          | 29.1          | 123.3 | 4th      | 136.1 | 24th     | 86.0  | 48.8                       | 58.5          | 19.9          |
| June . . .        | 131.1 | 25th     | 137.2 | 16th        | 124.4 | 37.1                       | 41.8          | 34.2          | 124.4 | 3rd      | 144.8 | 16th     | 90.1  | 51.8                       | 70.8          | 26.1          |
| July . . .        | 130.1 | 7th      | 138.0 | 11th & 14th | 125.4 | 38.4                       | 48.6          | 33.9          | 116.4 | 25th     | 139.9 | 16th     | 88.9  | 47.0                       | 66.7          | 23.7          |
| August . . .      | 128.9 | 27th     | 135.9 | 12th        | 118.2 | 40.1                       | 44.2          | 28.2          | 121.9 | 31st     | 139.5 | 8th      | 81.1  | 52.8                       | 70.1          | 16.8          |
| September . .     | 131.4 | 24th     | 136.4 | 10th        | 126.7 | 41.4                       | 45.1          | 37.6          | 131.0 | 12th     | 142.4 | 9th      | 102.4 | 60.1                       | 69.9          | 35.1          |
| October . . .     | 129.6 | 28th     | 138.3 | 29th        | 99.5  | 40.3                       | 48.6          | 18.8          | 126.5 | 1st      | 137.4 | 26th     | 99.8  | 56.4                       | 68.3          | 33.1          |
| November . .      | 127.5 | 27th     | 134.8 | 9th         | 80.1  | 40.0                       | 46.9          | 5.6           | 124.0 | 6th      | 138.6 | 9th      | 81.8  | 56.4                       | 69.6          | 18.4          |
| December . .      | 128.1 | 31st     | 136.9 | 9th         | 79.7  | 42.4                       | 49.4          | 10.2          | 123.6 | 28th     | 132.9 | 9th      | 95.0  | 56.6                       | 67.8          | 26.1          |
| Year . . .        | 133.2 | ...      | 147.0 | ...         | 79.7  | 40.8                       | 55.2          | 5.6           | 125.2 | ...      | 144.8 | ...      | 81.1  | 54.3                       | 70.8          | 16.8          |
| Means of extremes | ...   | ...      | 140.1 | ...         | 116.8 | ...                        | 46.6          | 29.6          | ...   | ...      | 137.9 | ...      | 100.1 | ...                        | 66.3          | 32.9          |



TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

96. COIMBATORE (*corrected*).97. TRICHINOPOLY (*corrected*).

| MONTH.            | Mean. | MAXIMUM.    |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|-------------|-------|----------|-------|----------------------------|---------------|---------------|-------|----------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |       | Day.        | °     | Day.     | °     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | °     | Day.     | °     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 143'5 | 2nd         | 148'9 | 4th      | 136'3 | 57'8                       | 69'0          | 52'4          | 134'6 | 21st     | 144'5 | 3rd      | 109'6 | 48'9                       | 57'2          | 32'8          |
| February . . .    | 146'3 | 2nd         | 149'3 | 21st     | 143'5 | 55'4                       | 58'5          | 51'7          | 140'1 | 7th      | 148'3 | 12th     | 121'7 | 49'1                       | 60'1          | 32'8          |
| March . . .       | 149'9 | 29th        | 157'6 | 9th      | 145'9 | 53'7                       | 59'4          | 50'6          | 145'1 | 24th     | 152'2 | 10th     | 135'7 | 48'7                       | 55'4          | 44'1          |
| April . . .       | 153'2 | 11th & 27th | 158'9 | 30th     | 139'6 | 54'6                       | 60'3          | 48'7          | 148'1 | 27th     | 154'2 | 10th     | 137'3 | 46'6                       | 53'7          | 41'0          |
| May . . .         | 143'5 | 2nd & 8th   | 153'7 | 14th     | 109'9 | 51'6                       | 64'7          | 27'7          | 138'3 | 17th     | 152'2 | 23rd     | 88'0  | 41'1                       | 51'4          | 8'7           |
| June . . .        | 143'1 | 16th        | 169'3 | 15th     | 113'9 | 53'4                       | 87'7          | 34'5          | 139'7 | 6th      | 145'0 | 9th      | 129'0 | 43'0                       | 49'9          | 33'7          |
| July . . .        | 137'9 | 30th        | 149'1 | 10th     | 123'7 | 50'7                       | 62'8          | 38'8          | 138'1 | 23rd     | 146'5 | 13th     | 127'9 | 44'3                       | 52'5          | 37'3          |
| August . . .      | 140'4 | 30th        | 150'7 | 8th      | 99'9  | 53'7                       | 63'0          | 24'2          | 132'8 | 25th     | 146'9 | 8th      | 86'2  | 41'6                       | 53'7          | 8'3           |
| September . . .   | 144'4 | 26th        | 151'4 | 2nd      | 133'4 | 55'4                       | 63'5          | 48'5          | 139'5 | 26th     | 151'1 | 9th      | 116'7 | 45'6                       | 55'5          | 26'8          |
| October . . .     | 145'7 | 25th        | 155'1 | 29th     | 131'1 | 56'8                       | 65'8          | 45'7          | 140'4 | 14th     | 153'0 | 31st     | 118'8 | 46'5                       | 56'0          | 34'4          |
| November . . .    | 140'7 | 13th        | 148'8 | 10th     | 125'9 | 54'6                       | 61'1          | 46'5          | 130'4 | 2nd      | 143'3 | 5th      | 87'7  | 43'3                       | 56'8          | 10'0          |
| December . . .    | 141'8 | 7th         | 151'6 | 3rd      | 117'3 | 56'3                       | 65'7          | 37'9          | 131'9 | 29th     | 142'4 | 9th      | 82'2  | 47'0                       | 55'5          | 14'1          |
| Year . . .        | 144'2 | ...         | 169'3 | ...      | 99'9  | 54'5                       | 87'7          | 24'2          | 138'3 | ...      | 154'2 | ...      | 82'2  | 45'5                       | 60'1          | 8'3           |
| Means of extremes | ...   | ...         | 153'7 | ...      | 126'7 | ...                        | 65'1          | 42'3          | ...   | ...      | 148'3 | ...      | 111'7 | ...                        | 54'8          | 27'0          |

## 98. NEGAPATAM.

99. MADURA (*corrected*).

| MONTH.            | Mean. | MAXIMUM. |       | MINIMUM.   |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM.   |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|----------|-------|------------|-------|----------------------------|---------------|---------------|-------|------------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |       | Day.     | °     | Day.       | °     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.       | °     | Day.     | °     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 139'7 | 29th     | 149'6 | 3rd        | 95'4  | 59'0                       | 68'3          | 18'6          | 142'6 | 21st       | 151'5 | 5th      | 127'1 | 59'0                       | 66'7          | 48'0          |
| February . . .    | 142'7 | 18th     | 148'3 | 6th        | 103'9 | 60'3                       | 66'6          | 24'6          | 145'9 | 20th       | 152'5 | 7th      | 128'5 | 57'1                       | 63'4          | 44'7          |
| March . . .       | 146'7 | 25th     | 153'0 | 26th       | 141'7 | 60'0                       | 65'9          | 54'4          | 150'8 | 26th       | 156'5 | 17th     | 146'5 | 55'1                       | 59'2          | 49'6          |
| April . . .       | 147'3 | 17th     | 162'0 | 21st       | 142'0 | 57'9                       | 66'4          | 52'0          | 154'5 | 27th       | 158'7 | 15th     | 143'0 | 54'1                       | 59'0          | 46'1          |
| May . . .         | 142'2 | 8th      | 160'6 | 23rd       | 82'8  | 50'4                       | 64'3          | 6'5           | 146'1 | 13th       | 155'5 | 23rd     | 99'5  | 49'2                       | 57'2          | 14'7          |
| June . . .        | 143'0 | 7th      | 154'0 | 16th       | 121'2 | 51'8                       | 59'0          | 30'9          | 148'8 | 7th & 12th | 156'5 | 16th     | 136'5 | 50'6                       | 57'1          | 43'9          |
| July . . .        | 141'2 | 24th     | 151'1 | 20th       | 129'5 | 51'0                       | 63'1          | 38'5          | 141'4 | 25th       | 154'5 | 16th     | 119'5 | 48'4                       | 62'0          | 31'4          |
| August . . .      | 140'0 | 14th     | 156'0 | 8th        | 92'5  | 52'0                       | 68'0          | 14'0          | 142'5 | 15th       | 153'5 | 8th      | 103'5 | 50'1                       | 62'2          | 22'0          |
| September . . .   | 144'7 | 24th     | 155'0 | 9th        | 109'2 | 55'7                       | 67'1          | 24'2          | 144'1 | 13th       | 154'5 | 29th     | 131'5 | 51'8                       | 60'0          | 41'7          |
| October . . .     | 145'0 | 26th     | 160'9 | 29th       | 116'7 | 55'9                       | 72'8          | 35'8          | 142'7 | 22nd       | 152'5 | 23rd     | 102'0 | 50'9                       | 60'3          | 19'0          |
| November . . .    | 135'8 | 20th     | 152'7 | 4th        | 82'3  | 51'7                       | 68'0          | 5'1           | 135'3 | 7th        | 147'2 | 3rd      | 98'2  | 48'1                       | 59'4          | 17'9          |
| December . . .    | 137'1 | 12th     | 146'7 | 6th & 31st | 115'7 | 55'8                       | 65'5          | 33'7          | 136'0 | 29th       | 148'5 | 8th      | 101'5 | 49'5                       | 60'7          | 22'0          |
| Year . . .        | 142'1 | ...      | 162'0 | ...        | 82'3  | 55'1                       | 72'8          | 5'1           | 144'2 | ...        | 158'7 | ...      | 98'2  | 52'0                       | 66'7          | 14'7          |
| Means of extremes | ...   | ...      | 154'2 | ...        | 111'1 | ...                        | 66'3          | 28'2          | ...   | ...        | 153'5 | ...      | 119'8 | ...                        | 60'6          | 33'4          |

TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

100. COCHIN (corrected).

101. AKYAB (corrected).\*

| MONTH.            | Mean. | MAXIMUM. |       | MINIMUM.   |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean.         | MAXIMUM.          |       | MINIMUM.           |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|----------|-------|------------|-------|----------------------------|---------------|---------------|---------------|-------------------|-------|--------------------|-------|----------------------------|---------------|---------------|
|                   |       | Day.     | o     | Day.       | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |               | Day.              | o     | Day.               | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 126.5 | 27th     | 130.2 | 3rd & 13th | 123.3 | 38.6                       | 43.2          | 33.9          | 123.2         | 27th              | 127.7 | 10th, 16th & 30th. | 119.7 | 42.5                       | 46.5          | 38.8          |
| February . . .    | 128.3 | 22nd     | 134.7 | 2nd        | 124.5 | 38.7                       | 43.6          | 33.5          | 127.9         | 18th              | 133.4 | 2nd                | 122.7 | 44.1                       | 46.2          | 40.5          |
| March . . .       | 127.4 | 13th     | 131.0 | 24th       | 114.7 | 36.6                       | 39.5          | 26.1          | 132.5†        | 11th              | 139.7 | 2nd                | 126.7 | 43.9†                      | 48.1          | 41.3          |
| April . . .       | 127.5 | 9th      | 133.7 | 30th       | 117.3 | 36.0                       | 43.5          | 30.5          | 132.8†        | 19th              | 136.5 | 5th                | 127.3 | 42.8†                      | 46.8          | 39.5          |
| May . . .         | 121.0 | 27th     | 130.1 | 21st       | 101.6 | 32.8                       | 42.5          | 18.0          | Imperfect.    |                   |       |                    |       |                            |               |               |
| June . . .        | 117.1 | 13th     | 125.7 | 2nd        | 93.3  | 31.9                       | 39.7          | 11.6          | Not recorded. |                   |       |                    |       |                            |               |               |
| July . . .        | 116.8 | 5th      | 126.2 | 16th       | 96.0  | 33.8                       | 42.5          | 16.3          | Ditto.        |                   |       |                    |       |                            |               |               |
| August . . .      | 113.9 | 31st     | 123.2 | 8th        | 95.4  | 32.6                       | 39.5          | 16.8          | Ditto.        |                   |       |                    |       |                            |               |               |
| September . . .   | 119.2 | 10th     | 127.2 | 29th       | 90.3  | 35.5                       | 43.6          | 11.0          | Ditto.        |                   |       |                    |       |                            |               |               |
| October . . .     | 121.2 | 7th      | 127.7 | 11th       | 114.3 | 35.6                       | 40.6          | 30.4          | Ditto.        |                   |       |                    |       |                            |               |               |
| November . . .    | 118.9 | 30th     | 123.6 | 23rd       | 107.7 | 32.4                       | 37.8          | 25.0          | Ditto.        |                   |       |                    |       |                            |               |               |
| December . . .    | 119.5 | 4th      | 124.8 | 8th        | 95.2  | 31.1                       | 35.4          | 12.8          | 127.3§        | 8th, 13th & 21st. | 132.1 | 30th               | 124.2 | 46.1§                      | 52.2          | 41.4          |
| Year . . .        | 121.4 | ...      | 134.7 | ...        | 90.3  | 34.6                       | 43.6          | 11.0          | ...           | ...               | ...   | ...                | ...   | ...                        | ...           | ...           |
| Means of extremes | ...   | ...      | 128.2 | ...        | 106.1 | ...                        | 41.0          | 22.2          | ...           | ...               | ...   | ...                | ...   | ...                        | ...           | ...           |

\* On a stand 3 feet 8 inches high.  
† Mean of 30 days.‡ Mean of 28 days.  
§ " " 24 "

102. THAYETMYO (corrected).\*

103. TOUNGOO (corrected).\*

| MONTH.            | Mean. | MAXIMUM. |       | MINIMUM.    |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean. | MAXIMUM.               |       | MINIMUM.         |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|----------|-------|-------------|-------|----------------------------|---------------|---------------|-------|------------------------|-------|------------------|-------|----------------------------|---------------|---------------|
|                   |       | Day.     | o     | Day.        | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |       | Day.                   | o     | Day.             | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 125.1 | 27th     | 132.4 | 11th & 16th | 120.1 | 40.8                       | 45.3          | 36.6          | 142.3 | 24th                   | 148.1 | 7th 10th & 11th. | 139.1 | 59.0                       | 63.3          | 56.3          |
| February . . .    | 134.8 | 28th     | 141.6 | 1st         | 122.1 | 42.1                       | 49.3          | 35.3          | 143.0 | 6th, 7th, 20th & 28th. | 151.1 | 1st              | 86.1  | 55.6                       | 66.1          | 8.1           |
| March . . .       | 145.7 | 30th     | 159.4 | 1st         | 140.1 | 45.1                       | 59.9          | 40.7          | 153.0 | 27th                   | 158.1 | 8th & 23rd       | 149.1 | 56.9                       | 62.4          | 52.4          |
| April . . .       | 148.9 | 15th     | 158.6 | 6th         | 139.6 | 44.5                       | 51.7          | 39.7          | 155.8 | 12th                   | 164.7 | 20th             | 152.1 | 55.5                       | 64.8          | 51.6          |
| May . . .         | 153.8 | 23rd     | 164.6 | 6th         | 141.8 | 53.9                       | 62.4          | 46.6          | 156.5 | 19th                   | 163.1 | 29th to 31st     | 151.1 | 62.1                       | 73.9          | 55.9          |
| June . . .        | 147.3 | 18th     | 156.8 | 6th         | 127.6 | 57.6                       | 65.2          | 39.0          | 153.0 | 22nd                   | 158.1 | 28th             | 138.1 | 65.8                       | 72.5          | 51.6          |
| July . . .        | 147.6 | 4th      | 161.6 | 10th        | 116.4 | 58.2                       | 70.3          | 30.8          | 146.1 | 12th                   | 159.7 | 20th             | 112.1 | 61.0                       | 72.4          | 31.7          |
| August . . .      | 147.0 | 3rd      | 159.6 | 31st        | 117.1 | 58.5                       | 69.0          | 28.8          | 147.4 | 13th                   | 160.1 | 31st             | 124.7 | 62.1                       | 75.1          | 40.7          |
| September . . .   | 144.5 | 7th      | 149.8 | 27th        | 137.6 | 54.3                       | 62.3          | 47.4          | 154.6 | 7th                    | 160.4 | 24th             | 143.1 | 66.6                       | 73.6          | 52.9          |
| October . . .     | 138.9 | 10th     | 145.8 | 19th        | 132.1 | 48.2                       | 56.8          | 40.3          | 148.6 | 10th                   | 154.1 | 3rd              | 135.1 | 59.4                       | 66.5          | 47.8          |
| November . . .    | 128.8 | 1st      | 140.4 | 9th         | 86.4  | 45.5                       | 56.4          | 11.2          | 138.1 | 5th                    | 151.9 | 8th              | 99.1  | 54.2                       | 70.1          | 22.3          |
| December . . .    | 126.1 | 16th     | 138.4 | 8th & 21st  | 122.4 | 43.1                       | 53.2          | 39.6          | 137.7 | 31st                   | 142.6 | 22nd             | 132.6 | 55.6                       | 62.1          | 52.0          |
| Year . . .        | 140.7 | ...      | 164.6 | ...         | 86.4  | 49.3                       | 70.3          | 11.2          | 148.0 | ...                    | 164.7 | ...              | 86.1  | 59.5                       | 75.1          | 8.1           |
| Means of extremes | ...   | ...      | 150.8 | ...         | 125.3 | ...                        | 58.5          | 36.3          | ...   | ...                    | 156.0 | ...              | 130.2 | ...                        | 68.6          | 43.6          |

\* On a stand 4 feet high.

TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

## 104. BASSEIN (corrected).\*

## 105. RANGOON (corrected.)

| MONTH.            | Mean. | MAXIMUM.    |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |          |          | Mean.  | MAXIMUM.           |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |          |          |
|-------------------|-------|-------------|-------|----------|-------|----------------------------|----------|----------|--------|--------------------|-------|----------|-------|----------------------------|----------|----------|
|                   |       | Day.        | °     | Day.     | °     | Mean.                      | Maximum. | Minimum. |        | Day.               | °     | Day.     | °     | Mean.                      | Maximum. | Minimum. |
| January . . .     | 140°6 | 12th        | 147°3 | 5th      | 136°4 | 56°7                       | 63°2     | 52°9     | 148°7  | 10th               | 156°4 | 4th      | 141°2 | 60°6                       | 68°9     | 53°3     |
| February . . .    | 140°9 | 19th & 20th | 146°3 | 3rd      | 105°3 | 54°0                       | 58°2     | 29°7     | 148°6  | 5th                | 154°9 | 3rd      | 132°4 | 57°9                       | 72°1     | 50°8     |
| March . . .       | 147°6 | 27th        | 154°3 | 22nd     | 142°1 | 54°1                       | 61°8     | 50°6     | 153°2  | 12th, 14th & 31st. | 156°4 | 6th      | 149°4 | 55°9                       | 58°9     | 51°9     |
| April . . .       | 148°6 | 29th        | 153°8 | 17th     | 145°3 | 52°7                       | 59°2     | 50°4     | 155°9  | 16th               | 160°0 | 29th     | 152°4 | 55°7                       | 60°1     | 53°0     |
| May . . .         | 149°1 | 14th        | 156°8 | 6th      | 126°8 | 57°7                       | 65°3     | 43°2     | 146°8  | 4th                | 164°2 | 30th     | 95°6  | 56°4                       | 66°1     | 16°0     |
| June . . .        | 133°7 | 23rd        | 151°9 | 5th      | 103°3 | 48°9                       | 64°5     | 24°6     | 143°1† | 2nd                | 157°1 | 5th      | 93°4  | 57°4‡                      | 71°5     | 14°7     |
| July . . .        | 137°1 | 4th         | 155°0 | 9th      | 91°6  | 52°2                       | 66°5     | 12°1     | 141°3§ | 3rd                | 157°4 | 27th     | 120°5 | 55°3§                      | 69°7     | 32°2     |
| August . . .      | 136°7 | 16th & 29th | 153°1 | 18th     | 103°9 | 52°5                       | 67°2     | 23°0     | 140°0  | 8th                | 155°9 | 25th     | 92°0  | 55°1                       | 68°6     | 13°6     |
| September . . .   | 144°1 | 6th         | 157°5 | 18th     | 115°3 | 58°5                       | 70°1     | 32°8     | 148°4  | 23rd               | 161°1 | 27th     | 131°7 | 61°7                       | 73°5     | 46°6     |
| October . . .     | 143°8 | 6th         | 157°1 | 19th     | 88°5  | 56°7                       | 70°3     | 12°0     | 148°8  | 3rd                | 158°7 | 19th     | 86°6  | 61°0                       | 72°1     | 11°4     |
| November . . .    | 134°8 | 14th        | 153°6 | 5th      | 85°3  | 51°4                       | 66°0     | 9°8      | 142°6  | 13th               | 154°7 | 5th      | 99°4  | 57°0                       | 67°0     | 22°5     |
| December . . .    | 140°4 | 14th        | 147°3 | 10th     | 133°6 | 57°0                       | 62°4     | 51°4     | 143°4  | 7th                | 149°8 | 11th     | 136°0 | 57°8                       | 63°4     | 50°6     |
| Year . . .        | 141°5 | ...         | 157°5 | ...      | 85°3  | 54°4                       | 70°3     | 9°8      | 146°7  | ...                | 164°2 | ...      | 86°6  | 57°7                       | 73°5     | 11°4     |
| Means of extremes | ...   | ...         | 152°8 | ...      | 114°8 | ...                        | 64°6     | 32°7     | ...    | ...                | 157°2 | ...      | 119°2 | ...                        | 67°7     | 34°7     |

\* On a stand 3 feet 10 inches high.

† On a stand 3½ feet high.

‡ Mean of 29 days.

§ Mean of 30 days.

## 106. MOULMEIN (corrected).\*

## 107. MERGUI (corrected).\*

| MONTH.            | Mean. | MAXIMUM.  |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |          |          | Mean. | MAXIMUM.          |       | MINIMUM.          |       | DIFFERENCE, SUN AND SHADE. |          |          |
|-------------------|-------|-----------|-------|----------|-------|----------------------------|----------|----------|-------|-------------------|-------|-------------------|-------|----------------------------|----------|----------|
|                   |       | Day.      | °     | Day.     | °     | Mean.                      | Maximum. | Minimum. |       | Day.              | °     | Day.              | °     | Mean.                      | Maximum. | Minimum. |
| January . . .     | 143°1 | 13th      | 152°9 | 5th      | 136°0 | 56°2                       | 64°6     | 51°1     | 145°0 | 30th              | 151°3 | 31st              | 136°3 | 57°4                       | 62°2     | 49°2     |
| February . . .    | 147°5 | 1st       | 152°3 | 3rd      | 135°3 | 56°1                       | 62°3     | 48°4     | 148°2 | 3rd, 11th & 28th. | 150°8 | 4th               | 144°3 | 58°8                       | 61°7     | 55°2     |
| March . . .       | 151°1 | 28th      | 155°3 | 19th     | 146°3 | 56°2                       | 60°8     | 50°3     | 150°7 | 28th              | 155°3 | 8th, 10th & 16th. | 146°3 | 58°9                       | 63°3     | 54°3     |
| April . . .       | 152°3 | 21st      | 163°3 | 19th     | 145°5 | 56°3                       | 68°4     | 52°6     | 151°5 | 27th              | 155°8 | 25th              | 147°8 | 58°2                       | 60°6     | 54°8     |
| May . . .         | 148°6 | 26th      | 159°3 | 8th      | 123°5 | 59°1                       | 68°8     | 37°5     | 147°4 | 24th              | 159°3 | 8th               | 107°3 | 58°4                       | 69°2     | 29°0     |
| June . . .        | 142°9 | 20th      | 158°3 | 5th      | 101°3 | 58°8                       | 71°8     | 21°0     | 133°4 | 6th               | 157°3 | 27th              | 101°3 | 48°8                       | 72°2     | 18°1     |
| July . . .        | 132°1 | 4th       | 162°8 | 22nd     | 100°7 | 48°6                       | 74°9     | 19°5     | 134°9 | 2nd               | 152°3 | 16th              | 98°3  | 50°6                       | 68°2     | 14°2     |
| August . . .      | 140°1 | 4th & 8th | 158°3 | 27th     | 106°5 | 56°9                       | 73°5     | 24°8     | 140°0 | 10th              | 156°3 | 16th              | 101°3 | 54°5                       | 68°6     | 21°4     |
| September . . .   | 151°6 | 16th      | 163°3 | 9th      | 116°3 | 65°9                       | 76°5     | 35°0     | 137°6 | 5th               | 156°2 | 7th               | 105°3 | 53°8                       | 70°2     | 25°6     |
| October . . .     | 153°4 | 23rd      | 160°3 | 19th     | 120°3 | 64°1                       | 71°5     | 35°5     | 144°4 | 19th              | 157°2 | 6th               | 113°3 | 58°6                       | 69°0     | 32°1     |
| November . . .    | 145°3 | 15th      | 155°3 | 4th      | 133°3 | 57°9                       | 65°4     | 48°4     | 141°5 | 21st              | 153°3 | 7th               | 112°3 | 55°6                       | 65°1     | 28°1     |
| December . . .    | 141°2 | 1st       | 149°3 | 10th     | 132°3 | 55°2                       | 60°5     | 48°4     | 143°9 | 2nd               | 150°3 | 12th              | 139°3 | 58°9                       | 64°1     | 55°2     |
| Year . . .        | 145°8 | ...       | 163°3 | ...      | 100°7 | 57°6                       | 76°5     | 19°5     | 143°2 | ...               | 159°3 | ...               | 98°3  | 56°0                       | 72°2     | 14°2     |
| Means of extremes | ...   | ...       | 157°6 | ...      | 124°8 | ...                        | 68°3     | 39°4     | ...   | ...               | 154°6 | ...               | 121°1 | ...                        | 66°2     | 36°4     |

\* On a stand 4 feet high.

TABLE I.—EQUILIBRIUM TEMPERATURES OF SOLAR RADIATION IN 1886.

108. PORT BLAIR (*corrected*).\*109. NANCOWRY (*corrected*).\*

| MONTH.            | Mean. | MAXIMUM.             |       | MINIMUM.             |       | DIFFERENCE, SUN AND SHADE. |               |               | Mean.  | MAXIMUM. |       | MINIMUM. |       | DIFFERENCE, SUN AND SHADE. |               |               |
|-------------------|-------|----------------------|-------|----------------------|-------|----------------------------|---------------|---------------|--------|----------|-------|----------|-------|----------------------------|---------------|---------------|
|                   |       | Day.                 | o     | Day.                 | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |        | Day.     | o     | Day.     | o     | Mean.                      | Maxi-<br>mum. | Mini-<br>mum. |
| January . .       | 139°0 | 27th                 | 146°6 | 5th, 6th, &<br>31st. | 135°6 | 51°8                       | 58°8          | 48°3          | 149°2  | 26th     | 157°9 | 8th      | 136°9 | 63°6                       | 71°9          | 52°5          |
| February . .      | 142°2 | 11th                 | 151°2 | 7th & 10th           | 137°6 | 54°3                       | 64°4          | 50°2          | 151°4  | 2nd      | 158°9 | 9th      | 136°9 | 64°7                       | 71°1          | 50°3          |
| March . . .       | 148°8 | 30th                 | 155°6 | 18th                 | 143°1 | 57°5                       | 62°3          | 53°1          | 153°5  | 5th      | 159°7 | 4th      | 143°9 | 64°6                       | 71°7          | 56°3          |
| April . . .       | 153°7 | 27th                 | 158°6 | 1st & 5th            | 149°6 | 60°1                       | 66°7          | 56°1          | 154°8  | 23rd     | 165°9 | 13th     | 142°9 | 63°0                       | 74°9          | 50°2          |
| May . . . .       | 148°0 | 3rd                  | 159°0 | 31st                 | 108°6 | 58°3                       | 69°6          | 25°8          | 144°9  | 18th     | 158°5 | 10th     | 108°9 | 55°4                       | 70°5          | 20°9          |
| June . . . .      | 138°6 | 28th                 | 159°6 | 8th                  | 98°6  | 52°2                       | 71°8          | 17°6          | 140°0  | 3rd      | 156°5 | 18th     | 97°5  | 51°3                       | 66°5          | 10°3          |
| July . . . .      | 143°0 | 30th                 | 154°6 | 11th                 | 115°1 | 57°0                       | 69°4          | 32°3          | 143°4  | 30th     | 155°3 | 5th      | 120°9 | 55°8                       | 66°7          | 33°1          |
| August . . .      | 141°8 | 7th & 9th            | 153°6 | 27th                 | 105°8 | 56°3                       | 66°1          | 27°9          | 142°9  | 30th     | 159°5 | 9th      | 105°3 | 54°7                       | 72°7          | 19°1          |
| September . .     | 140°6 | 3rd, 5th, &<br>20th. | 151°6 | 15th                 | 96°6  | 54°5                       | 64°6          | 14°1          | 141°4† | 2nd      | 167°9 | 5th      | 101°9 | 54°9†                      | 83°3          | 16°1          |
| October . . .     | 141°7 | 3rd                  | 162°1 | 8th                  | 105°6 | 55°6                       | 74°1          | 23°1          | 141°0  | 31st     | 169°9 | 9th      | 84°9  | 55°8                       | 84°1          | 3°1           |
| November . .      | 129°8 | 1st                  | 152°6 | 5th                  | 92°6  | 44°9                       | 62°1          | 11°6          | 143°8  | 25th     | 160°9 | 3rd      | 105°9 | 58°5                       | 76°1          | 20°1          |
| December . .      | 135°8 | 24th                 | 145°6 | 8th                  | 115°6 | 50°5                       | 60°6          | 33°6          | 140°7  | 2nd      | 159°5 | 6th      | 101°9 | 57°0                       | 75°9          | 20°1          |
| Year . . . .      | 141°9 | ...                  | 162°1 | ...                  | 92°6  | 54°4                       | 74°1          | 11°6          | 145°6  | ...      | 169°9 | ...      | 84°9  | 58°3                       | 84°1          | 3°1           |
| Means of extremes | ...   | ...                  | 154°2 | ...                  | 117°0 | ...                        | 65°9          | 32°8          | ...    | ...      | 160°9 | ...      | 115°7 | ...                        | 73°8          | 29°3          |

\* On a stand 4 feet high.

† Mean of 29 days.

TABLE II.—DURATION OF BRIGHT SUNSHINE IN 1886. (6 STATIONS).

| MONTH.              | 1. LAHORE.                      |                                   |                                                  | 2. DEHRA.                       |                                   |                                                  | 3. ALLAHABAD.                   |                                   |                                                  |
|---------------------|---------------------------------|-----------------------------------|--------------------------------------------------|---------------------------------|-----------------------------------|--------------------------------------------------|---------------------------------|-----------------------------------|--------------------------------------------------|
|                     | Total hours of bright sunshine. | Total hours of sun above horizon. | Percentage ratio of actual to possible sunshine. | Total hours of bright sunshine. | Total hours of sun above horizon. | Percentage ratio of actual to possible sunshine. | Total hours of bright sunshine. | Total hours of sun above horizon. | Percentage ratio of actual to possible sunshine. |
| January . . . . .   | 162                             | 318                               | 51                                               | 131                             | 321                               | 41                                               | 278                             | 329                               | 84                                               |
| February . . . . .  | 204                             | 307                               | 66                                               | 159                             | 308                               | 52                                               | 291                             | 312                               | 93                                               |
| March . . . . .     | 208                             | 368                               | 57                                               | 143                             | 368                               | 39                                               | 281                             | 368                               | 76                                               |
| April . . . . .     | 298                             | 385                               | 77                                               | 215                             | 383                               | 56                                               | 330                             | 379                               | 87                                               |
| May . . . . .       | 313                             | 422                               | 74                                               | 196                             | 419                               | 47                                               | 345                             | 410                               | 84                                               |
| June . . . . .      | 194                             | 419                               | 46                                               | 180                             | 416                               | 43                                               | 246                             | 407                               | 60                                               |
| July . . . . .      | 229                             | 428                               | 54                                               | 86                              | 424                               | 20                                               | 151                             | 416                               | 36                                               |
| August . . . . .    | 327                             | 407                               | 80                                               | 99                              | 405                               | 24                                               | 143                             | 400                               | 36                                               |
| September . . . . . | 320                             | 367                               | 87                                               | 187                             | 366                               | 51                                               | 219                             | 366                               | 60                                               |
| October . . . . .   | 305                             | 350                               | 87                                               | 226                             | 351                               | 64                                               | 214                             | 354                               | 60                                               |
| November . . . . .  | 281                             | 313                               | 90                                               | 230                             | 316                               | 73                                               | 293                             | 324                               | 90                                               |
| December . . . . .  | 253                             | 311                               | 81                                               | 181                             | 315                               | 57                                               | 257                             | 324                               | 79                                               |
| Year . . . . .      | 3,094                           | 4,395                             | 70                                               | 2,033                           | 4,392                             | 46                                               | 3,048                           | 4,389                             | 69                                               |
|                     |                                 |                                   |                                                  |                                 |                                   |                                                  |                                 |                                   |                                                  |
| MONTH.              | 4. CALCUTTA (ALIPORE).          |                                   |                                                  | 5. JEYPORE.                     |                                   |                                                  | 6. BOMBAY.                      |                                   |                                                  |
|                     | Total hours of bright sunshine. | Total hours of sun above horizon. | Percentage ratio of actual to possible sunshine. | Total hours of bright sunshine. | Total hours of sun above horizon. | Percentage ratio of actual to possible sunshine. | Total hours of bright sunshine. | Total hours of sun above horizon. | Percentage ratio of actual to possible sunshine. |
| January . . . . .   | 280                             | 337                               | 83                                               | 252                             | 326                               | 77                                               | Not recorded.                   |                                   |                                                  |
| February . . . . .  | 292                             | 318                               | 92                                               | 266                             | 311                               | 86                                               |                                 |                                   |                                                  |
| March . . . . .     | 268                             | 371                               | 72                                               | 263                             | 368                               | 71                                               |                                 |                                   |                                                  |
| April . . . . .     | 301                             | 379                               | 79                                               | 278                             | 380                               | 73                                               |                                 |                                   |                                                  |
| May . . . . .       | 293                             | 408                               | 72                                               | 292                             | 412                               | 71                                               |                                 |                                   |                                                  |
| June . . . . .      | 119                             | 403                               | 30                                               | 223                             | 408                               | 55                                               |                                 |                                   |                                                  |
| July . . . . .      | 129                             | 413                               | 31                                               | 134                             | 418                               | 32                                               |                                 |                                   |                                                  |
| August . . . . .    | 113                             | 398                               | 28                                               | 142                             | 401                               | 35                                               | Imperfect.                      |                                   |                                                  |
| September . . . . . | 109                             | 367                               | 30                                               | 263                             | 365                               | 72                                               | 180                             | 364                               | 49                                               |
| October . . . . .   | 239                             | 359                               | 67                                               | 281                             | 352                               | 80                                               | 221                             | 359                               | 62                                               |
| November . . . . .  | 250                             | 331                               | 76                                               | 299                             | 321                               | 93                                               | 257                             | 334                               | 77                                               |
| December . . . . .  | 269                             | 333                               | 81                                               | 262                             | 320                               | 82                                               | 268                             | 338                               | 79                                               |
| Year . . . . .      | 2,662                           | 4,417                             | 60                                               | 2,955                           | 4,382                             | 67                                               | ...                             | ...                               | ...                                              |

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886. (108 STATIONS).

1. ADEN (*corrected*).\*2. AMINI DIVI (*corrected*).

| MONTH.            | Mean. | MAXIMUM.      |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean.  | MAXIMUM.                       |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|---------------|------|----------|------|----------------------------------|---------------|---------------|--------|--------------------------------|------|-------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.          | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |        | Day.                           | o    | Day.        | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 70°6  | 28th          | 73°5 | 4th      | 62°0 | 1°8                              | 5°7           | —1°0          | 65°0   | 5th                            | 74°1 | 10th        | 57°0 | 8°8                              | 12°5          | 2°7           |
| February . . .    | 71°3† | 14th          | 73°4 | 22nd     | 67°0 | 1°5†                             | 7°0           | 0°1           | 65°4   | 1st, 5th, 9th,<br>30th & 31st. | 70°0 | 13th & 14th | 60°0 | 8°4                              | 12°0          | 4°0           |
| March . . .       | 73°3‡ | 30th          | 77°9 | 2nd      | 69°0 | 1°7‡                             | 4°4           | 0°4           | 67°5   | 18th & 22nd                    | 72°0 | 5th & 8th   | 64°0 | 7°9                              | 12°0          | 4°0           |
| April . . .       |       | Not recorded. |      |          |      |                                  |               |               |        | Register not received.         |      |             |      |                                  |               |               |
| May . . .         |       | Imperfect.    |      |          |      |                                  |               |               |        | Imperfect.                     |      |             |      |                                  |               |               |
| June . . .        |       | Ditto.        |      |          |      |                                  |               |               | 70°8   | 4th                            | 74°9 | 15th        | 65°3 | 7°3                              | 10°3          | 5°6           |
| July . . .        | 82°2§ | 16th & 18th   | 86°2 | 23rd     | 78°5 | 2°0§                             | 8°5           | —0°9          | 68°3   | 18th                           | 72°8 | 23rd & 30th | 65°5 | 7°4                              | 9°5           | 6°2           |
| August . . .      | 79°8  | 18th          | 84°6 | 9th      | 75°9 | 1°8                              | 5°3           | —2°6          | 68°2** | 29th                           | 71°3 | 3rd         | 64°5 | 6°7**                            | 8°2           | 4°9           |
| September . . .   | 78°8  | 3rd           | 81°9 | 22nd     | 75°1 | 2°2                              | 4°9           | —1°1          | 67°7†† | 20th & 22nd                    | 71°0 | 2nd         | 65°3 | 7°3††                            | 8°7           | 6°2           |
| October . . .     | 75°2§ | 5th           | 80°5 | 29th     | 69°0 | 2°7§                             | 5°7           | 0°7           | 73°9   | 13th                           | 77°7 | 3rd         | 66°5 | 2°6                              | 9°0           | 0             |
| November . . .    | 70°8§ | 7th           | 77°6 | 14th     | 64°4 | 2°6§                             | 5°0           | —0°8          | 68°7   | 10th                           | 76°1 | 23rd        | 60°7 | 5°3                              | 8°5           | 1°1           |
| December . . .    | 68°7¶ | 23rd          | 73°8 | 12th     | 58°7 | 2°9¶                             | 8°4           | 0             | 64°9   | 9th                            | 72°8 | 23rd        | 57°5 | 7°1                              | 10°0          | 4°7           |
| Year . . .        | ...   | ...           | ...  | ...      | ...  | ...                              | ...           | ...           | ...    | ...                            | ...  | ...         | ...  | ...                              | ...           | ...           |
| Means of extremes | ...   | ...           | ...  | ...      | ...  | ...                              | ...           | ...           | ...    | ...                            | ...  | ...         | ...  | ...                              | ...           | ...           |

\* On a woollen pad 6 inches above ground.

† Mean of 26 days.

‡ " " 25 "

§ Mean of 29 days.

|| " " 27 "

¶ " " 30 "

\*\* Mean of 30 days.

†† " " 29 "

3. QUETTA (*corrected*).\*4. LEH (*corrected*).†

| MONTH.            | Mean. | MAXIMUM.               |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM. |      | MINIMUM. |       | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|------------------------|------|-------------|------|----------------------------------|---------------|---------------|-------|----------|------|----------|-------|----------------------------------|---------------|---------------|
|                   |       | Day.                   | o    | Day.        | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o    | Day.     | o     | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 19°2  | 18th                   | 32°3 | 24th        | 8°3  | 11°3                             | 17°9          | 2°0           | 0°8   | 23rd     | 12°8 | 1st      | —12°2 | 11°0                             | 16°6          | 5°2           |
| February . . .    | 20°1  | 22nd, 25th to<br>27th. | 39°2 | 2nd         | 1°4  | 10°2                             | 18°7          | 2°1           | 2°3   | 16th     | 16°3 | 4th      | —12°8 | 10°0                             | 16°0          | 1°1           |
| March . . .       | 28°5† | 16th                   | 44°0 | 31st        | 13°5 | 10°9†                            | 15°8          | 3°3           | 11°5  | 30th     | 28°4 | 3rd      | —2°3  | 12°2                             | 18°5          | 3°1           |
| April . . .       | 30°3  | 30th                   | 38°5 | 1st         | 13°0 | 14°6                             | 17°8          | 12°3          | 17°0  | 21st     | 28°8 | 5th      | 2°3   | 10°8§                            | 17°1          | 4°4           |
| May . . .         | 37°4  | 21st                   | 47°4 | 17th & 18th | 24°5 | 15°2                             | 21°1          | 11°9          | 22°5  | 31st     | 35°5 | 18th     | 10°8  | 12°3§                            | 16°7          | 5°8           |
| June . . .        | 44°0  | 30th                   | 57°1 | 2nd & 3rd   | 27°5 | 15°6                             | 21°3          | 7°8           | 31°0  | 21st     | 47°2 | 4th      | 18°6  | 11°2                             | 16°5          | 1°8           |
| July . . .        | 56°2  | 13th                   | 63°4 | 19th        | 45°2 | 12°0                             | 20°3          | 7°1           | 36°4  | 15th     | 45°6 | 8th      | 27°8  | 13°6                             | 22°4          | 5°9           |
| August . . .      | 49°1  | 17th & 20th            | 58°4 | 12th        | 37°5 | 13°0                             | 19°3          | 7°2           | 34°9  | 8th      | 48°2 | 13th     | 25°8  | 14°7                             | 23°6          | 4°5           |
| September . . .   | 37°8  | 3rd                    | 54°9 | 19th        | 24°5 | 14°3                             | 20°4          | 10°4          | 22°9  | 4th      | 31°3 | 20th     | 17°3  | 17°2                             | 19°1          | 13°6          |
| October . . .     | 23°7  | 6th                    | 44°9 | 31st        | 11°0 | 14°7                             | 17°8          | 11°2          | 12°1  | 7th      | 25°3 | 31st     | 4°3   | 19°0                             | 23°7          | 12°4          |
| November . . .    | 19°3  | 16th                   | 34°0 | 27th        | 10°0 | 14°1                             | 16°3          | 10°9          | 5°1   | 10th     | 15°3 | 30th     | 0°3   | 16°5                             | 23°2          | 13°1          |
| December . . .    | 15°5  | 6th                    | 35°8 | 28th        | —2°3 | 13°9                             | 20°6          | 3°8           | 4°3   | 9th      | 14°3 | 31st     | —7°7  | 13°1                             | 20°1          | 8°3           |
| Year . . .        | 31°8  | ...                    | 63°4 | ...         | —2°3 | 13°3                             | 21°3          | 2°0           | 16°7  | ...      | 48°2 | ...      | —12°8 | 13°5                             | 23°7          | 1°1           |
| Means of extremes | ...   | ...                    | 45°8 | ...         | 17°8 | ...                              | 18°9          | 7°5           | ...   | ...      | 29°1 | ...      | 6°0   | ...                              | 19°5          | 6°6           |

\* On a woollen pad,  
† Mean of 30 days.‡ On a woollen pad 3 inches above ground.  
§ Mean of 29 days.

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

31

5. MOOLTAN (*corrected*).\*6. DERA ISMAIL KHAN (*corrected*).\*

| MONTH.            | Mean. | MAXIMUM.        |      | MINIMUM.               |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean.         | MAXIMUM.                   |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|-----------------|------|------------------------|------|----------------------------------|---------------|---------------|---------------|----------------------------|------|-------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.            | o    | Day.                   | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |               | Day.                       | o    | Day.        | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 39'3  | 17th & 19th     | 50'0 | 1st, 3rd, 6th, & 28th. | 31'9 | 6'4                              | 10'2          | 1'5           | Not recorded. |                            |      |             |      |                                  |               |               |
| February . . .    | 38'0  | 26th            | 49'3 | 11th                   | 30'9 | 7'6                              | 10'6          | 4'3           | Ditto.        |                            |      |             |      |                                  |               |               |
| March . . .       | 49'7  | 17th            | 63'0 | 2nd                    | 39'8 | 8'2                              | 11'3          | 4'9           | Ditto.        |                            |      |             |      |                                  |               |               |
| April . . .       | 56'0  | 30th            | 71'2 | 3rd                    | 41'6 | 9'6                              | 17'0          | 5'0           | 60'5†         | 23rd                       | 68'7 | 12th        | 51'8 | 6'2†                             | 16'0          | 1'1           |
| May . . .         | 68'7  | 30th            | 80'1 | 8th                    | 59'2 | 8'5                              | 19'0          | 3'5           | 67'4          | 29th & 30th                | 84'7 | 17th        | 54'8 | 7'3                              | 19'1          | 1'1           |
| June . . .        | 73'1  | 12th            | 79'1 | 3rd, 4th & 7th.        | 65'2 | 8'9                              | 17'0          | 4'0           | 76'4          | 20th                       | 86'7 | 4th         | 56'8 | 4'0                              | 9'0           | 1'2           |
| July . . .        | 75'2  | 7th             | 80'1 | 15th                   | 64'2 | 8'4                              | 15'0          | 5'1           | 80'1          | 1st to 3rd                 | 85'7 | 16th & 28th | 73'7 | 2'5                              | 5'2           | 0'1           |
| August . . .      | 74'9  | 22nd            | 78'1 | 10th                   | 73'0 | 7'6                              | 9'7           | 5'9           | 79'1          | 1st, 2nd, 4th, 5th & 25th. | 81'7 | 10th        | 74'7 | 2'9                              | 4'2           | 0'2           |
| September . . .   | 68'1  | 1st, 4th & 5th. | 75'1 | 30th                   | 60'2 | 9'5                              | 12'5          | 5'4           | 71'7          | 4th                        | 80'7 | 30th        | 61'8 | 4'3                              | 7'0           | 0'2           |
| October . . .     | 50'3  | 6th             | 63'7 | 20th                   | 40'0 | 13'4                             | 18'3          | 8'1           | 55'5          | 7th                        | 68'7 | 31st        | 42'8 | 6'0                              | 11'0          | 3'1           |
| November . . .    | 39'9  | 17th            | 50'2 | 28th                   | 32'9 | 12'5                             | 16'2          | 8'1           | 43'5          | 24th                       | 53'8 | 28th & 30th | 34'7 | 5'2                              | 7'2           | 3'9           |
| December . . .    | 30'3  | 22nd            | 41'0 | 29th                   | 18'9 | 12'9                             | 15'5          | 11'1          | 35'7          | 22nd                       | 50'8 | 30th        | 24'7 | 6'0                              | 9'1           | 1'9           |
| Year . . .        | 55'3  | ...             | 80'1 | ...                    | 18'9 | 9'5                              | 19'0          | 1'5           | ...           | ...                        | ...  | ...         | ...  | ...                              | ...           | ...           |
| Means of extremes | ...   | ...             | 65'1 | ...                    | 46'5 | ...                              | 14'4          | 5'6           | ...           | ...                        | ...  | ...         | ...  | ...                              | ...           | ...           |

\* On a woollen pad 3 inches above ground.

† Mean of 22 days.

7. PESHAWAR (*corrected*).\*8. MURREE (*corrected*).\*

| MONTH.            | Mean. | MAXIMUM.    |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean.      | MAXIMUM. |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|-------------|------|----------|------|----------------------------------|---------------|---------------|------------|----------|------|-------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.        | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |            | Day.     | o    | Day.        | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 32'8  | 22nd & 23rd | 46'6 | 2nd      | 18'9 | 8'5                              | 12'0          | 1'8           | 25'8       | 8th      | 35'2 | 28th        | 11'1 | 10'6†                            | 21'9          | 0'4           |
| February . . .    | 31'3  | 26th        | 49'8 | 4th      | 17'9 | 8'5                              | 14'5          | 3'8           | 22'8       | 26th     | 40'3 | 3rd         | 3'7  | 7'9                              | 18'8          | —4'8          |
| March . . .       | 43'7  | 17th        | 59'3 | 1st      | 30'4 | 8'4                              | 19'2          | 0             | 34'7       | 17th     | 48'7 | 5th         | 21'1 | 6'2                              | 16'5          | —3'4          |
| April . . .       | 49'4  | 30th        | 63'4 | 1st      | 31'4 | 8'2                              | 12'8          | 1'9           | 41'0       | 28th     | 53'1 | 2nd         | 26'7 | 8'5                              | 16'9          | —3'0          |
| May . . .         | 58'6  | 24th        | 66'9 | 8th      | 50'1 | 11'2                             | 21'6          | 4'9           | 49'9       | 27th     | 62'7 | 17th        | 38'7 | 8'3                              | 16'0          | 0'3           |
| June . . .        | 65'8  | 29th        | 77'2 | 2nd      | 46'7 | 10'5                             | 24'5          | 3'5           | 56'1       | 12th     | 65'9 | 2nd         | 41'9 | 7'9                              | 14'6          | 1'1           |
| July . . .        | 76'7  | 9th         | 84'5 | 31st     | 69'8 | 5'0                              | 9'7           | 1'0           | 60'3       | 7th      | 67'4 | 17th        | 53'7 | 2'0                              | 6'4           | —2'6          |
| August . . .      | 73'5  | 15th        | 80'1 | 10th     | 68'7 | 5'1                              | 9'2           | 1'8           | 57'8       | 2nd      | 63'0 | 10th        | 52'2 | 2'6                              | 8'2           | —1'7          |
| September . . .   | 63'0  | 4th         | 75'6 | 30th     | 48'7 | 8'4                              | 11'9          | 3'5           | 51'0       | 4th      | 58'7 | 19th        | 41'7 | 7'8                              | 14'4          | 0'4           |
| October . . .     | 47'7  | 6th         | 61'2 | 30th     | 32'4 | 10'8                             | 14'6          | 4'7           | Imperfect. |          |      |             |      |                                  |               |               |
| November . . .    | 33'7  | 25th        | 46'6 | 30th     | 24'7 | 11'6                             | 15'5          | 5'1           | 28'9†      | 24th     | 38'4 | 29th & 30th | 20'2 | 17'3†                            | 24'9          | 1'0           |
| December . . .    | 29'9  | 21st        | 45'8 | 24th     | 22'4 | 10'1                             | 13'9          | 4'8           | 24'2†      | 21st     | 42'2 | 30th        | 16'4 | 16'4†                            | 22'8          | 2'2           |
| Year . . .        | 50'5  | ...         | 84'5 | ...      | 17'9 | 8'9                              | 24'5          | 0             | ...        | ...      | ...  | ...         | ...  | ...                              | ...           | ...           |
| Means of extremes | ...   | ...         | 63'1 | ...      | 38'5 | ...                              | 15'0          | 3'1           | ...        | ...      | ...  | ...         | ...  | ...                              | ...           | ...           |

\* On a woollen pad 3 inches above ground.

† Mean of 26 days.  
‡ " " 24 "

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

9. RAWALPINDI (*corrected*).\*10. SIALKOT (*corrected*).\*

| MONTH.            | Mean. | MAXIMUM. |      | MINIMUM.        |      | DIFFERENCE, SHADE AND RADIATION. |          |          | Mean. | MAXIMUM.    |      | MINIMUM.                      |      | DIFFERENCE, SHADE AND RADIATION. |          |          |
|-------------------|-------|----------|------|-----------------|------|----------------------------------|----------|----------|-------|-------------|------|-------------------------------|------|----------------------------------|----------|----------|
|                   |       | Day.     | °    | Day.            | °    | Mean.                            | Maximum. | Minimum. |       | Day.        | °    | Day.                          | °    | Mean.                            | Maximum. | Minimum. |
| January . . .     | 32.5† | 23rd     | 46.5 | 1st             | 20.0 | 7.6†                             | 11.5     | 2.0      | 38.3  | 19th        | 52.9 | 1st                           | 28.9 | 6.2                              | 11.9     | 2.3      |
| February . . .    | 31.1† | 26th     | 50.5 | 12th            | 20.5 | 8.4†                             | 17.0     | 2.7      | 37.7  | 27th        | 53.9 | 11th & 12th                   | 27.9 | 5.8                              | 11.2     | 0.1      |
| March . . .       | 43.3† | 17th     | 56.0 | 1st, 2nd & 5th. | 31.5 | 7.5†                             | 12.4     | 3.1      | 49.1  | 29th        | 58.9 | 2nd                           | 35.9 | 6.6                              | 16.9     | 1.4      |
| April . . .       | 47.8§ | 22nd     | 59.8 | 3rd & 4th       | 35.0 | 9.4§                             | 12.5     | 4.4      | 56.8  | 22nd & 30th | 70.9 | 4th                           | 38.9 | 7.9                              | 11.4     | 4.4      |
| May . . .         | 56.6  | 4th      | 64.9 | 17th            | 44.4 | 10.7                             | 23.7     | 5.7      | 67.1  | 28th        | 78.8 | 18th                          | 55.9 | 6.1                              | 9.7      | 2.0      |
| June . . .        | 66.5  | 20th     | 80.9 | 2nd             | 46.0 | 7.1†                             | 12.3     | 5.8      | 73.5  | 17th        | 83.7 | 3rd                           | 58.9 | 5.3                              | 11.4     | 1.2      |
| July . . .        | 74.7§ | 8th      | 83.9 | 28th            | 67.3 | Shade minimum not recorded.      |          |          | 76.9  | 8th & 10th  | 82.7 | 27th                          | 63.9 | 2.3                              | 9.2      | 0.3      |
| August . . .      | 71.8  | 2nd      | 75.9 | 10th            | 66.0 | 3.7**                            | 8.0      | 0.5      | 74.9  | 1st & 30th  | 78.8 | 10th                          | 65.9 | 2.6                              | 7.3      | 0.3      |
| September . . .   | 63.9  | 3rd      | 78.8 | 30th            | 48.0 | 6.7                              | 11.1     | 1.9      | 70.8  | 5th         | 79.8 | 30th                          | 58.9 | 3.5                              | 6.0      | 1.1      |
| October . . .     | 47.2  | 5th      | 64.2 | 31st            | 32.5 | 9.9                              | 13.5     | 1.1      | 58.0  | 4th         | 72.8 | 31st                          | 42.9 | 5.8                              | 8.8      | 2.3      |
| November . . .    | 32.6  | 25th     | 44.2 | 30th            | 22.1 | 10.7                             | 13.1     | 2.8      | 43.0  | 17th        | 52.9 | 30th                          | 31.9 | 6.9                              | 8.4      | 2.4      |
| December . . .    | 27.9  | 22nd     | 47.7 | 31st            | 22.0 | 10.0                             | 11.9     | 4.4      | 36.5  | 27th        | 51.9 | 5th, 16th, 19th, 30th & 31st. | 30.9 | 6.5                              | 12.6     | 1.2      |
| Year . . .        | 49.7  | ...      | 83.9 | ...             | 20.0 | ...                              | ...      | ...      | 56.9  | ...         | 83.7 | ...                           | 27.9 | 5.5                              | 16.9     | 0.1      |
| Means of extremes | ...   | ...      | 62.8 | ...             | 37.9 | ...                              | ...      | ...      | ...   | ...         | 68.2 | ...                           | 45.1 | ...                              | 10.4     | 1.6      |

† Mean of 27 days.  
 ‡ " " 25 "  
 § " " 28 "

|| Mean of 29 days.  
 ¶ " " 30 "  
 \*\* " " 22 "

\* On a woollen pad 3 inches above ground.

11 A. LAHORE (New) (*corrected*).\*11 B. LAHORE (Old) (*corrected*).\*

| MONTH.            | Mean. | MAXIMUM. |      | MINIMUM.  |      | DIFFERENCE, SHADE AND RADIATION. |          |          | Mean. | MAXIMUM. |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |          |          |
|-------------------|-------|----------|------|-----------|------|----------------------------------|----------|----------|-------|----------|------|-------------|------|----------------------------------|----------|----------|
|                   |       | Day.     | °    | Day.      | °    | Mean.                            | Maximum. | Minimum. |       | Day.     | °    | Day.        | °    | Mean.                            | Maximum. | Minimum. |
| January . . .     | 36.9  | 19th     | 53.9 | 1st       | 24.1 | 7.0                              | 12.2     | 0.7      | 38.8  | 19th     | 53.1 | 1st         | 26.4 | 6.7                              | 11.1     | 2.1      |
| February . . .    | 34.2  | 26th     | 54.0 | 11th      | 22.1 | 8.7                              | 13.1     | 3.1      | 37.4  | 26th     | 55.9 | 11th        | 26.4 | 7.7                              | 12.2     | 2.9      |
| March . . .       | 48.4  | 30th     | 63.8 | 1st & 5th | 34.1 | 6.6                              | 11.3     | 0.7      | 51.4  | 30th     | 63.8 | 1st         | 41.0 | 5.6                              | 11.9     | 0.8      |
| April . . .       | 53.1  | 30th     | 69.6 | 4th       | 34.8 | 9.5                              | 13.8     | 6.2      | 58.5  | 23rd     | 71.4 | 2nd         | 42.9 | 7.4                              | 11.0     | 0.7      |
| May . . .         | 63.2  | 29th     | 79.5 | 18th      | 49.8 | 8.3                              | 13.8     | 0.3      | 66.9  | 29th     | 83.3 | 9th         | 57.0 | 6.7                              | 10.8     | 0.6      |
| June . . .        | 74.1  | 14th     | 85.5 | 4th       | 51.8 | 5.0                              | 13.7     | 0.8      | 75.0  | 19th     | 85.3 | 3rd         | 58.0 | 5.2                              | 15.2     | 0.1      |
| July . . .        | 77.7  | 2nd      | 85.0 | 16th      | 72.1 | 2.3                              | 4.3      | 0.3      | 77.8  | 2nd      | 86.3 | 3rd         | 70.9 | 2.3                              | 6.0      | 0.3      |
| August . . .      | 75.6  | 2nd      | 80.0 | 10th      | 66.6 | 3.3                              | 5.3      | 0.2      | 76.1  | 23rd     | 80.8 | 10th        | 68.1 | 3.0                              | 5.3      | 0.1      |
| September . . .   | 68.0  | 3rd      | 79.5 | 30th      | 53.6 | 6.3                              | 9.7      | 2.3      | 70.7  | 2nd      | 79.0 | 30th        | 56.2 | 5.2                              | 9.7      | 0        |
| October . . .     | 53.3  | 6th      | 69.1 | 30th      | 39.9 | 8.0                              | 11.9     | 1.6      | 56.0  | 6th      | 70.9 | 30th        | 43.9 | 7.2                              | 10.8     | 2.0      |
| November . . .    | 38.5  | 17th     | 56.3 | 30th      | 27.0 | 10.2                             | 12.3     | 2.2      | 42.2  | 17th     | 56.0 | 30th        | 29.3 | 9.1                              | 13.1     | 2.8      |
| December . . .    | 31.5  | 27th     | 45.7 | 30th      | 21.3 | 9.9                              | 12.4     | 5.8      | 34.8  | 22nd     | 49.0 | 29th & 31st | 26.3 | 9.5                              | 13.1     | 4.3      |
| Year . . .        | 54.5  | ...      | 85.5 | ...       | 21.3 | 7.1                              | 13.8     | 0.2      | 57.1  | ...      | 86.3 | ...         | 26.3 | 6.3                              | 15.2     | 0        |
| Means of extremes | ...   | ...      | 68.5 | ...       | 41.4 | ...                              | 11.2     | 2.0      | ...   | ...      | 69.6 | ...         | 45.5 | ...                              | 10.9     | 1.4      |

\* On a woollen pad 3 inches above ground.



TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

## 12. LUDHIANA (corrected).\*

## 13. CHAMBA (corrected).†

| MONTH.            | Mean. | MAXIMUM.    |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.  |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|-------------|------|----------|------|----------------------------------|---------------|---------------|-------|-----------|------|----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.        | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.      | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 40.1  | 20th        | 53.1 | 1st      | 30.6 | 6.1                              | 12.9          | 1.4           | 35.7  | 12th      | 48.2 | 4th      | 24.8 | 6.9                              | 14.0          | 0.4           |
| February . . .    | 37.8  | 26th        | 52.1 | 11th     | 26.4 | 7.0                              | 10.3          | 4.3           | 35.3  | 26th      | 49.8 | 4th      | 25.3 | 6.1                              | 10.5          | 0.7           |
| March . . . .     | 50.6  | 18th & 30th | 60.9 | 5th      | 39.4 | 6.6                              | 10.4          | 1.9           | 45.1  | 18th      | 54.8 | 5th      | 37.1 | 5.6                              | 9.4           | 1.5           |
| April . . . .     | 57.0  | 30th        | 77.9 | 2nd      | 40.6 | 8.1                              | 11.4          | 3.9           | 49.7  | 29th      | 58.5 | 2nd      | 35.0 | 6.3                              | 9.8           | 2.9           |
| May . . . . .     | 66.8  | 28th        | 77.3 | 18th     | 55.6 | 7.0                              | 11.0          | 2.8           | 55.9  | 28th      | 65.8 | 17th     | 44.6 | 5.6                              | 8.1           | -0.2          |
| June . . . . .    | 73.6  | 14th        | 86.0 | 4th      | 57.0 | 5.8                              | 12.0          | 0             | 63.7  | 30th      | 72.8 | 4th      | 52.7 | 4.9                              | 10.5          | 0             |
| July . . . . .    | 77.9  | 1st & 25th  | 81.9 | 27th     | 71.6 | 1.9                              | 5.8           | 0.3           | 70.3  | 1st & 2nd | 75.1 | 18th     | 63.2 | 1.9                              | 4.1           | -1.6          |
| August . . . .    | 76.3  | 14th        | 80.3 | 10th     | 71.8 | 2.3                              | 5.5           | 0.3           | 68.3  | 2nd       | 72.4 | 11th     | 58.0 | 2.1                              | 4.8           | -0.5          |
| September . .     | 70.8  | 4th         | 78.1 | 22nd     | 64.1 | 4.5                              | 9.5           | 1.3           | 60.5  | 3rd       | 71.1 | 28th     | 54.7 | 4.0                              | 6.1           | 1.5           |
| October . . . .   | 58.8  | 3rd         | 70.8 | 31st     | 47.6 | 4.7                              | 10.1          | 1.6           | 48.7  | 4th       | 62.3 | 31st     | 38.8 | 8.1                              | 13.8          | 1.6           |
| November . . .    | 42.1  | 9th & 11th  | 49.9 | 30th     | 35.0 | 9.0                              | 13.3          | 5.7           | 35.8  | 17th      | 43.6 | 30th     | 27.6 | 11.8                             | 15.4          | 7.7           |
| December . . .    | 36.1  | 22nd        | 42.1 | 30th     | 30.0 | 8.9                              | 15.3          | 6.0           | 32.4  | 22nd      | 46.7 | 18th     | 25.3 | 11.2                             | 16.1          | 1.7           |
| Year . . . . .    | 57.3  | ...         | 86.0 | ...      | 26.4 | 6.0                              | 15.3          | 0             | 50.1  | ...       | 75.1 | ...      | 24.8 | 6.2                              | 16.1          | -1.6          |
| Means of extremes | ...   | ...         | 67.5 | ...      | 47.5 | ...                              | 10.6          | 2.5           | ...   | ...       | 60.1 | ...      | 40.6 | ...                              | 10.2          | 1.3           |

\* On a woollen pad 3 inches above ground.

† On a woollen pad 2½ inches above ground.

## 14. DELHI (corrected).\*

## 15. SIRSA (corrected).\*

| MONTH.            | Mean. | MAXIMUM.  |      | MINIMUM.               |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean.         | MAXIMUM. |      | MINIMUM.   |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|-----------|------|------------------------|------|----------------------------------|---------------|---------------|---------------|----------|------|------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.      | o    | Day.                   | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |               | Day.     | o    | Day.       | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . .       | 42.7  | 19th      | 49.0 | 29th                   | 35.1 | 8.0                              | 17.0          | 4.5           | 32.3†         | 19th     | 41.7 | 1st & 29th | 26.3 | 12.3†                            | 16.1          | 7.3           |
| February . .      | 40.1  | 28th      | 53.1 | 3rd, 6th &<br>7th.     | 33.1 | 9.6                              | 15.0          | 4.0           | 31.6          | 28th     | 46.4 | 4th        | 19.0 | 11.8                             | 17.1          | 7.0           |
| March . . .       | 51.7  | 18th      | 61.6 | 6th & 9th              | 45.1 | 9.7                              | 16.6          | 5.0           | 46.3          | 30th     | 58.9 | 5th        | 38.3 | 10.7                             | 15.2          | 5.6           |
| April . . .       | 55.2  | 23rd      | 64.6 | 2nd & 5th              | 47.1 | 16.6                             | 21.6          | 9.8           | 56.8.         | 30th     | 72.8 | 3rd        | 39.0 | 10.4                             | 15.0          | 4.9           |
| May . . . .       | 69.7  | 4th       | 79.1 | 2nd                    | 57.1 | 7.8                              | 19.5          | 1.8           | Imperfect.    |          |      |            |      |                                  |               |               |
| June . . . .      | 77.1  | 14th      | 86.5 | 20th                   | 66.0 | 5.5                              | 13.1          | 0.4           | Not recorded. |          |      |            |      |                                  |               |               |
| July . . . .      | 77.3  | 10th      | 81.7 | 11th                   | 73.0 | 3.0                              | 6.1           | 0.5           | 78.2†         | 2nd      | 85.0 | 11th       | 71.9 | 2.9†                             | 7.3           | 0.8           |
| August . . .      | 75.3  | 30th      | 78.1 | 21st                   | 71.0 | 3.4                              | 8.9           | 0.5           | 75.2          | 3rd      | 77.8 | 11th       | 70.0 | 3.8                              | 5.8           | 1.4           |
| September .       | 70.5  | 2nd       | 78.6 | 25th, 28th,<br>& 29th. | 64.1 | 6.5                              | 14.5          | 0.5           | 69.4          | 10th     | 77.9 | 29th       | 54.9 | 7.2                              | 14.3          | 2.9           |
| October . .       | 58.3  | 2nd & 3rd | 67.0 | 24th                   | 49.1 | 10.4                             | 18.0          | 7.5           | 53.6          | 7th      | 68.2 | 31st       | 39.0 | 10.5                             | 16.6          | 3.9           |
| November .        | 45.0  | 19th      | 50.1 | 22nd & 30th            | 40.1 | 11.5                             | 14.7          | 7.2           | 37.4          | 17th     | 45.7 | 28th       | 28.4 | 13.2                             | 16.2          | 7.8           |
| December .        | 42.0  | 28th      | 49.9 | 31st                   | 35.1 | 8.5                              | 15.0          | 5.5           | 30.8†         | 11th     | 39.0 | 29th       | 19.7 | 13.3†                            | 20.3          | 8.4           |
| Year . . . .      | 58.7  | ...       | 86.5 | ...                    | 33.1 | 8.4                              | 21.6          | 0.4           | ...           | ...      | ...  | ...        | ...  | ...                              | ...           | ...           |
| Means of extremes | ...   | ...       | 66.6 | ...                    | 51.3 | ...                              | 15.0          | 3.8           | ...           | ...      | ...  | ...        | ...  | ...                              | ...           | ...           |

\* On a woollen pad 3 inches above ground.

† Mean of 30 days.

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

16. CHAKRATA (*corrected*).\*

## 17. DEHRA.†

| MONTH.            | Mean. | MAXIMUM.          |      | MINIMUM.  |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|-------------------|------|-----------|------|----------------------------------|---------------|---------------|-------|----------|------|----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.              | °    | Day.      | °    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | °    | Day.     | °    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 28.9† | 13th              | 37.8 | 5th       | 22.5 | 7.4†                             | 16.7          | 1.1           | 40.9  | 19th     | 52.3 | 5th      | 33.9 | 5.0                              | 6.6           | —0.8          |
| February . . .    | 29.0  | 26th              | 42.5 | 5th       | 18.0 | 6.5                              | 13.1          | —0.9          | 40.1  | 28th     | 52.8 | 4th      | 29.8 | 5.4                              | 9.7           | 2.1           |
| March . . .       | 36.6  | 18th              | 48.3 | 5th       | 27.0 | 4.7                              | 13.4          | —0.4          | 50.1  | 18th     | 59.8 | 5th      | 41.8 | 5.3†                             | 7.4           | 2.1           |
| April . . .       | 40.7  | 23rd              | 50.4 | 3rd       | 24.5 | 10.6                             | 15.7          | 3.6           | 55.9  | 30th     | 67.7 | 4th      | 41.6 | 6.8                              | 9.4           | 3.2           |
| May . . .         | 39.3  | 29th              | 52.8 | 17th      | 26.0 | 14.7                             | 21.8          | —1.0          | 63.3  | 31st     | 70.7 | 12th     | 53.7 | 5.7                              | 9.4           | 1.2           |
| June . . .        | 51.4  | 14th              | 58.7 | 3rd & 4th | 43.6 | 7.0                              | 13.2          | 2.4           | 69.5  | 14th     | 80.1 | 4th      | 57.0 | 4.5                              | 8.5           | 1.2           |
| July . . .        | 57.7  | 26th              | 63.6 | 14th      | 52.4 | 2.8                              | 7.9           | —0.9          | 72.6  | 26th     | 76.7 | 28th     | 68.9 | 2.3                              | 7.8           | —0.3          |
| August . . .      | 56.2  | 1st, 26th & 30th. | 60.7 | 22nd      | 45.7 | 3.4                              | 14.1          | —0.4          | 71.4  | 1st      | 74.7 | 12th     | 65.9 | 2.0                              | 6.2           | —0.2          |
| September . . .   | 49.1  | 1st               | 60.7 | 23rd      | 41.3 | 8.7                              | 16.0          | —0.4          | 66.4  | 6th      | 72.5 | 19th     | 61.2 | 4.3                              | 8.6           | 0.4           |
| October . . .     | 42.3  | 7th & 8th.        | 49.9 | 31st      | 34.1 | 10.1                             | 17.0          | —0.7          | 56.1  | 6th      | 67.5 | 30th     | 44.7 | 6.2                              | 9.0           | 1.4           |
| November . . .    | 32.4  | 17th              | 40.9 | 27th      | 26.0 | 12.5                             | 18.7          | 6.3           | 45.8  | 17th     | 52.9 | 29th     | 36.9 | 7.2                              | 9.0           | 4.2           |
| December . . .    | 30.3  | 22nd              | 40.4 | 31st      | 23.0 | 10.3                             | 16.7          | 1.1           | 40.7  | 23rd     | 51.7 | 30th     | 35.3 | 6.6                              | 8.8           | 2.0           |
| Year . . .        | 41.2  | ...               | 63.6 | ...       | 18.0 | 8.2                              | 21.8          | —1.0          | 56.1  | ...      | 80.1 | ...      | 29.8 | 5.1                              | 9.7           | —0.8          |
| Means of extremes | ...   | ...               | 50.6 | ...       | 32.0 | ...                              | 15.4          | 0.8           | ...   | ...      | 65.0 | ...      | 47.6 | ...                              | 8.4           | 1.4           |

\* On a woollen pad 3 inches above ground.

† Mean of 30 days.

‡ On forked sticks above grass.

18. MUSSOOREE TRIGL S. O. (*corrected*).\*19. ROORKEE (*corrected*).†

| MONTH.            | Mean. | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.             |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|----------|------|----------|------|----------------------------------|---------------|---------------|-------|----------------------|------|-------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.     | °    | Day.     | °    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.                 | °    | Day.        | °    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | ...   | ...      | ...  | ...      | ...  | ...                              | ...           | ...           | 40.6  | 19th                 | 52.8 | 1st         | 30.8 | 7.1                              | 9.8           | 4.4           |
| February . . .    | ...   | ...      | ...  | ...      | ...  | ...                              | ...           | ...           | 37.6  | 28th                 | 53.3 | 3rd         | 27.8 | 8.3                              | 12.4          | 3.1           |
| March . . .       | ...   | ...      | ...  | ...      | ...  | ...                              | ...           | ...           | 49.8  | 31st                 | 65.3 | 5th         | 37.2 | 8.3                              | 12.1          | 2.5           |
| April . . .       | ...   | ...      | ...  | ...      | ...  | ...                              | ...           | ...           | 54.0  | 30th                 | 69.7 | 4th         | 37.7 | 9.7                              | 12.7          | 5.4           |
| May . . .         | ...   | ...      | ...  | ...      | ...  | ...                              | ...           | ...           | 65.1  | 31st                 | 73.7 | 11th & 12th | 56.8 | 8.0                              | 17.3          | 4.4           |
| June . . .        | ...   | ...      | ...  | ...      | ...  | ...                              | ...           | ...           | 72.5  | 14th                 | 86.1 | 4th         | 53.8 | 5.1                              | 11.9          | 1.0           |
| July . . .        | ...   | ...      | ...  | ...      | ...  | ...                              | ...           | ...           | 75.3  | 1st, 2nd, 8th & 9th. | 79.7 | 15th & 27th | 70.7 | 3.1                              | 5.9           | 0.8           |
| August . . .      | ...   | ...      | ...  | ...      | ...  | ...                              | ...           | ...           | 72.8  | 1st                  | 75.2 | 12th        | 67.7 | 4.2                              | 6.4           | 2.4           |
| September . . .   | ...   | ...      | ...  | ...      | ...  | ...                              | ...           | ...           | 67.5† | 4th                  | 73.7 | 20th        | 60.8 | 6.3†                             | 8.9           | 2.9           |
| October . . .     | ...   | ...      | ...  | ...      | ...  | ...                              | ...           | ...           | 56.1  | 2nd                  | 68.1 | 30th        | 41.2 | 7.0                              | 9.6           | 5.0           |
| November . . .    | ...   | ...      | ...  | ...      | ...  | ...                              | ...           | ...           | 42.1  | 18th                 | 50.2 | 29th & 30th | 32.2 | 8.5                              | 9.8           | 6.2           |
| December . . .    | 36.3  | 7th      | 47.2 | 31st     | 28.8 | 4.6                              | 10.6          | 0.2           | 36.9  | 28th                 | 50.2 | 31st        | 27.2 | 8.3                              | 11.4          | 1.1           |
| Year . . .        | ...   | ...      | ...  | ...      | ...  | ...                              | ...           | ...           | 55.9  | ...                  | 86.1 | ...         | 27.2 | 7.0                              | 17.3          | 0.8           |
| Means of extremes | ...   | ...      | ...  | ...      | ...  | ...                              | ...           | ...           | ...   | ...                  | 66.5 | ...         | 45.3 | ...                              | 10.7          | 3.3           |

\* On stand 7 inches over thinly growing tufted grass.

† On a woollen pad 1 inch above ground.

‡ Mean of 29 days.

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

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## 20. RANIKHET (corrected).\*

## 21. MEERUT (corrected).\*

| MONTH.            | Mean. | MAXIMUM.                |      | MINIMUM.           |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean.      | MAXIMUM.  |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|-------------------------|------|--------------------|------|----------------------------------|---------------|---------------|------------|-----------|------|-------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.                    | o    | Day.               | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |            | Day.      | o    | Day.        | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 28.5  | 18th                    | 35.5 | 5th                | 14.0 | 11.2                             | 21.0          | 2.5           | 41.9       | 20th      | 53.9 | 1st         | 30.9 | 5.1                              | 8.2           | 2.0           |
| February . . .    | 29.0  | 27th                    | 45.0 | 4th                | 19.0 | 12.2                             | 20.5          | 2.5           | 39.5       | 26th      | 56.4 | 3rd         | 29.4 | 6.4                              | 9.1           | 3.5           |
| March . . .       | 36.5  | 18th                    | 48.0 | 2nd                | 29.0 | 9.5                              | 15.5          | 2.5           | 51.1       | 18th      | 63.4 | 4th         | 40.4 | 7.7                              | 15.5          | 2.3           |
| April . . .       | 40.9  | 29th & 30th             | 49.0 | 4th                | 30.0 | 14.9                             | 21.5          | 6.5           | 57.7       | 30th      | 76.4 | 2nd         | 42.4 | 8.6                              | 10.6          | 4.8           |
| May . . .         | 46.1  | 31st                    | 54.0 | 18th & 26th        | 36.0 | 8.3                              | 14.5          | 0.5           | Imperfect. |           |      |             |      |                                  |               |               |
| June . . .        | 54.6  | 13th                    | 63.0 | 5th                | 39.0 | 6.6                              | 21.5          | 0             | 73.6§      | 14th      | 85.2 | 3rd         | 60.8 | 5.7§                             | 12.9          | 1.0           |
| July . . .        | 60.8† | 9th                     | 64.0 | 19th               | 57.5 | 1.9†                             | 5.0           | -0.5          | 76.0       | 9th       | 79.7 | 27th        | 71.7 | 4.1                              | 9.2           | 0.8           |
| August . . .      | 59.8‡ | 29th                    | 62.5 | 12th               | 55.0 | 2.1‡                             | 4.5           | 0             | 74.5       | 15th      | 76.4 | 11th        | 71.7 | 3.6‡                             | 5.1           | 1.6           |
| September . . .   | 53.9  | 1st                     | 63.0 | 20th, 23rd & 26th. | 46.0 | 6.4                              | 14.0          | -1.0          | 68.9       | 1st & 3rd | 75.7 | 23rd        | 60.8 | 5.5§                             | 7.6           | 3.6           |
| October . . .     | 42.0  | 2nd & 6th               | 52.0 | 30th               | 28.0 | 13.3                             | 21.5          | 3.5           | 58.1       | 3rd       | 69.7 | 31st        | 46.9 | 6.7                              | 9.3           | 3.9           |
| November . . .    | 30.9  | 18th                    | 36.0 | 14th, 28th & 29th. | 24.0 | 17.1                             | 24.0          | 10.5          | 43.0       | 8th       | 48.9 | 30th        | 35.0 | 8.9                              | 10.2          | 6.2           |
| December . . .    | 24.7  | 11th, 12th 21st & 22nd. | 29.5 | 5th & 31st         | 18.5 | 19.2                             | 25.5          | 11.0          | 38.3       | 28th      | 49.9 | 30th & 31st | 29.0 | 8.8                              | 11.1          | 5.2           |
| Year . . .        | 42.3  | ...                     | 64.0 | ...                | 14.0 | 10.2                             | 25.5          | -1.0          | ...        | ...       | ...  | ...         | ...  | ...                              | ...           | ...           |
| Means of extremes | ...   | ...                     | 50.1 | ...                | 33.0 | ...                              | 17.4          | 3.2           | ...        | ...       | ...  | ...         | ...  | ...                              | ...           | ...           |

† Mean of 28 days.  
‡ " " 22 "

\* On a woollen pad 3 inches above ground.

§ Mean of 29 days.  
|| " " 30 "

## 22. BAREILLY (corrected).\*

## 23. AGRA (corrected).¶

| MONTH.            | Mean. | MAXIMUM.    |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean.  | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|-------------|------|-------------|------|----------------------------------|---------------|---------------|--------|----------|------|----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.        | o    | Day.        | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |        | Day.     | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 42.3  | 20th        | 56.2 | 1st         | 31.8 | 6.0                              | 12.4          | 2.5           | 43.7   | 20th     | 57.5 | 29th     | 34.1 | 6.0                              | 9.5           | 2.1           |
| February . . .    | 41.0  | 27th        | 58.7 | 4th & 6th   | 30.8 | 6.6                              | 10.9          | 1.5           | 42.4   | 28th     | 57.0 | 4th      | 31.7 | 6.8                              | 11.4          | 3.2           |
| March . . .       | 53.6† | 18th        | 62.7 | 5th         | 46.3 | 8.6†                             | 17.5          | 4.0           | 58.5** | 18th     | 69.5 | 5th      | 49.0 | 5.9**                            | 12.0          | 2.1           |
| April . . .       | 55.5  | 24th        | 66.7 | 3rd         | 40.3 | 9.6                              | 16.0          | 2.9           | 62.5   | 30th     | 77.5 | 3rd      | 44.8 | 8.8                              | 14.4          | 2.1           |
| May . . .         | 64.8‡ | 31st        | 73.7 | 9th & 12th  | 58.7 | 6.9‡                             | 12.9          | 1.9           | 74.6   | 28th     | 82.7 | 19th     | 61.6 | 5.4                              | 9.8           | 2.4           |
| June . . .        | 73.1§ | 14th        | 83.7 | 5th         | 59.7 | 6.3§                             | 17.9          | 0.4           | 76.9   | 17th     | 85.7 | 5th      | 68.7 | 5.5                              | 13.5          | 1.2           |
| July . . .        | 75.7§ | 8th         | 79.6 | 27th        | 70.7 | 3.3§                             | 5.9           | 0             | 76.9   | 15th     | 80.5 | 8th      | 71.7 | 3.4                              | 11.6          | 1.1           |
| August . . .      | 74.5  | 17th & 30th | 76.7 | 11th & 13th | 71.7 | 4.4                              | 12.0          | 0.3           | 75.7   | 15th     | 80.7 | 12th     | 71.4 | 2.9                              | 5.6           | 1.4           |
| September . . .   | 70.8  | 1st to 3rd  | 75.7 | 20th        | 64.7 | 4.5                              | 8.3           | 0.3           | 69.6   | 2nd      | 76.7 | 29th     | 61.4 | 5.7                              | 13.3          | 2.5           |
| October . . .     | 60.0  | 1st         | 70.7 | 31st        | 48.7 | 7.1                              | 12.7          | 2.2           | 63.6   | 2nd      | 75.9 | 31st     | 47.6 | 8.0                              | 17.5          | 3.6           |
| November . . .    | 43.8  | 11th        | 50.2 | 29th        | 31.8 | 10.5                             | 14.6          | 8.1           | 46.2   | 18th     | 52.5 | 30th     | 36.1 | 10.6                             | 15.7          | 8.6           |
| December . . .    | 36.9  | 11th        | 53.7 | 17th & 30th | 29.8 | 11.0                             | 14.1          | 4.2           | 41.4   | 11th     | 59.8 | 30th     | 31.8 | 9.0                              | 11.9          | 4.0           |
| Year . . .        | 57.7  | ...         | 83.7 | ...         | 29.8 | 7.1                              | 17.9          | 0             | 61.0   | ...      | 85.7 | ...      | 31.7 | 6.5                              | 17.5          | 1.1           |
| Means of extremes | ...   | ...         | 67.4 | ...         | 48.8 | ...                              | 12.9          | 2.4           | ...    | ...      | 71.3 | ...      | 50.8 | ...                              | 12.2          | 2.9           |

\* On a woollen pad 1 inch above ground.  
† Mean of 22 days.  
‡ " " 30 "§ Mean of 27 days.  
|| " " 26 "¶ On a woollen pad 2 inches above ground.  
\*\* Mean of 25 days.

TABLE III.— TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

## 24. LUCKNOW (corrected).\*

## 25. GORAKHPUR (corrected).†

| MONTH.            | Mean. | MAXIMUM.                     |      | MINIMUM.               |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.                               |      | MINIMUM.          |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|------------------------------|------|------------------------|------|----------------------------------|---------------|---------------|-------|----------------------------------------|------|-------------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.                         | o    | Day.                   | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.                                   | o    | Day.              | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 40.6  | 20th                         | 54.0 | 2nd                    | 31.0 | 7.2                              | 9.5           | 2.2           | 38.7  | 21st                                   | 47.6 | 3rd & 30th        | 33.6 | 10.5                             | 14.7          | 8.2           |
| February . . .    | 42.8  | 23rd                         | 52.0 | 5th                    | 33.0 | 6.8                              | 11.2          | 4.1           | 39.9  | 27th & 28th                            | 50.6 | 5th               | 32.1 | 10.0                             | 13.3          | 6.3           |
| March . . .       | 54.2  | 21st                         | 64.0 | 5th & 6th              | 43.0 | 7.0                              | 11.1          | 2.1           | 55.7  | 23rd & 31st                            | 62.6 | 6th               | 44.6 | 8.4                              | 11.2          | 3.2           |
| April . . .       | 60.0  | 30th                         | 72.0 | 3rd                    | 45.0 | 7.9                              | 12.1          | 1.9           | 59.3  | 28th                                   | 68.6 | 5th               | 48.6 | 10.9                             | 15.2          | 4.2           |
| May . . .         | 70.2  | 25th                         | 80.1 | 19th & 20th            | 61.0 | 4.7                              | 9.8           | 0.3           | 69.3  | 24th                                   | 75.6 | 8th, 10th & 12th. | 61.6 | 6.5                              | 15.2          | 0.2           |
| June . . .        | 75.1  | 13th                         | 85.6 | 5th                    | 63.0 | 2.6                              | 12.8          | 0.4           | 76.1  | 14th, 16th & 17th.                     | 81.6 | 4th               | 63.6 | 4.3                              | 13.2          | 0.7           |
| July . . .        | 77.5  | 25th                         | 80.1 | 9th & 11th             | 74.0 | 1.8                              | 4.0           | 0             | 77.8  | 10th, 14th, 15th, 20th to 22nd & 31st. | 79.6 | 26th              | 74.6 | 1.7                              | 3.2           | 0.2           |
| August . . .      | 76.7  | 1st, 8th, 18th, 21st & 30th. | 78.1 | 2nd, 4th, 10th & 12th. | 75.1 | 2.5                              | 4.3           | 0.7           | 77.4  | 1st, 6th to 10th, 13th, 17th & 18th.   | 78.6 | 2nd               | 69.6 | 1.8                              | 3.2           | 1.2           |
| September . . .   | 72.7  | 1st to 3rd                   | 78.1 | 20th, 25th & 26th.     | 68.0 | 3.3                              | 5.8           | 1.0           | 76.4  | 4th                                    | 79.1 | 11th              | 71.6 | 1.7                              | 3.2           | 1.2           |
| October . . .     | 65.1  | 1st, 2nd, & 18th.            | 73.0 | 31st                   | 50.0 | 4.7                              | 9.8           | 0.8           | 68.1  | 1st                                    | 74.6 | 31st              | 57.6 | 4.0                              | 6.9           | 0.9           |
| November . . .    | 46.2  | 9th, 10th & 25th.            | 52.0 | 30th                   | 35.0 | 8.3                              | 15.5          | 5.9           | 52.8† | 25th                                   | 58.6 | 29th & 30th       | 45.6 | 6.0†                             | 7.9           | 4.4           |
| December . . .    | 41.5  | 11th                         | 60.0 | 31st                   | 32.0 | 7.5                              | 11.0          | 1.9           | 49.2  | 11th                                   | 62.6 | 31st              | 40.6 | 3.7                              | 5.9           | 1.9           |
| Year . . .        | 60.2  | ...                          | 85.6 | ...                    | 31.0 | 5.4                              | 15.5          | 0             | 61.7  | ...                                    | 81.6 | ...               | 32.1 | 5.8                              | 15.2          | 0.2           |
| Means of extremes | ...   | ...                          | 69.1 | ...                    | 50.8 | ...                              | 9.7           | 1.8           | ...   | ...                                    | 68.3 | ...               | 53.6 | ...                              | 9.4           | 2.7           |

\* On a woollen pad 3 inches above ground.

† On a woollen pad 3½ inches above ground.

‡ Mean of 21 days.

## 26. JHANSI (corrected).\*

## 27. ALLAHABAD (corrected).‡

| MONTH.            | Mean. | MAXIMUM. |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.    |      | MINIMUM.  |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|----------|------|-------------|------|----------------------------------|---------------|---------------|-------|-------------|------|-----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.     | o    | Day.        | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.        | o    | Day.      | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 47.5  | 20th     | 61.7 | 29th        | 37.8 | 3.4                              | 5.3           | 0.9           | 37.8  | 17th        | 57.6 | 29th      | 26.6 | 10.3                             | 14.2          | 5.4           |
| February . . .    | 46.1  | 28th     | 59.0 | 5th         | 35.5 | 5.1                              | 7.9           | 1.3           | 37.8  | 16th        | 52.6 | 5th       | 28.4 | 11.6                             | 15.9          | 7.1           |
| March . . .       | 57.9  | 29th     | 64.4 | 6th         | 50.1 | 6.6                              | 14.9          | 2.9           | 52.5  | 21st        | 66.7 | 6th       | 40.7 | 10.5                             | 14.4          | 4.8           |
| April . . .       | 59.6  | 8th      | 69.3 | 2nd         | 49.1 | 13.8                             | 20.4          | 4.0           | 57.8  | 30th        | 74.6 | 3rd       | 42.6 | 12.3                             | 15.9          | 5.9           |
| May . . .         | 66.9  | 29th     | 73.8 | 12th        | 61.7 | 12.9                             | 18.7          | 3.1           | 71.0  | 6th         | 78.6 | 19th      | 57.6 | 7.4                              | 15.3          | 1.0           |
| June . . .        | 73.2† | 22nd     | 78.6 | 7th         | 66.4 | 7.9†                             | 16.3          | 1.2           | 76.2  | 14th        | 85.1 | 5th       | 66.6 | 5.6                              | 12.2          | 0.4           |
| July . . .        | 75.7  | 2nd      | 78.6 | 4th         | 72.6 | 2.3                              | 5.3           | 0.6           | 73.7§ | 20th        | 80.1 | 8th & 9th | 72.3 | 2.5§                             | 4.9           | 0.5           |
| August . . .      | 75.6  | 16th     | 79.9 | 2nd         | 72.6 | 1.1                              | 2.8           | 0.3           | 75.6§ | 17th & 20th | 77.6 | 29th      | 71.8 | 2.8§                             | 5.8           | 0.4           |
| September . . .   | 69.1  | 4th      | 76.8 | 20th & 23rd | 62.9 | 5.2                              | 11.0          | 1.1           | 72.2  | 2nd         | 77.6 | 26th      | 64.8 | 4.5                              | 9.0           | 0             |
| October . . .     | 67.0  | 1st      | 72.8 | 31st        | 58.0 | 4.4                              | 7.5           | 2.6           | 67.0  | 1st         | 75.0 | 26th      | 56.0 | 5.7                              | 11.0          | 0.2           |
| November . . .    | 50.5  | 19th     | 56.5 | 30th        | 45.1 | 8.1                              | 10.8          | 5.3           | 45.3  | 25th        | 55.5 | 30th      | 34.5 | 11.8                             | 15.8          | 8.1           |
| December . . .    | 42.8  | 11th     | 58.0 | 31st        | 34.5 | 10.1                             | 15.9          | 3.9           | 38.5  | 11th        | 63.3 | 31st      | 26.1 | 11.9                             | 16.0          | 0.6           |
| Year . . .        | 61.0  | ...      | 79.9 | ...         | 34.5 | 6.7                              | 20.4          | 0.3           | 58.8  | ...         | 85.1 | ...       | 26.1 | 8.1                              | 16.0          | 0             |
| Means of extremes | ...   | ...      | ...  | ...         | 53.9 | ...                              | 11.4          | 2.3           | ...   | ...         | 70.4 | ...       | 49.0 | ...                              | 12.5          | 2.9           |

\* On a woollen pad 3 inches above ground

† Mean of 29 days.

‡ On a blanket pad 2 inches above ground.

§ Mean of 30 days.

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

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## 28. BENARES (corrected).\*

## 29. GHAZIPUR (corrected).\*\*

| MONTH.            | Mean. | MAXIMUM.    |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|-------------|------|----------|------|----------------------------------|---------------|---------------|-------|----------|------|----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.        | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 39°1† | 24th        | 47°9 | 30th     | 30°2 | 9°2†                             | 11°6          | 6°6           | 41°7  | 21st     | 53°1 | 30th     | 35°0 | 11°2††                           | 17°1          | 1°2           |
| February . . .    | 39°6† | 17th        | 51°4 | 4th      | 28°9 | 10°6†                            | 13°5          | 6°7           | 42°6  | 16th     | 56°8 | 4th      | 31°2 | 11°9††                           | 24°8          | 2°0           |
| March . . .       | 53°3§ | 23rd        | 59°7 | 6th      | 45°1 | 9°3§                             | 15°3          | 5°5           | 54°6  | 21st     | 67°0 | 11th     | 41°8 | Shade min. imper-<br>fect.       |               |               |
| April . . .       | 58°8  | 30th        | 69°5 | 4th      | 45°1 | 10°7                             | 15°5          | 7°3           | 60°2  | 29th     | 73°6 | 4th      | 44°8 |                                  |               |               |
| May . . .         | 72°5  | 31st        | 80°3 | 10th     | 63°7 | 6°2                              | 10°1          | 2°3           | 72°4  | 29th     | 80°0 | 10th     | 61°6 | 5°6                              | 13°0          | 0°8           |
| June . . .        | 77°5  | 14th        | 88°5 | 19th     | 62°9 | 4°6                              | 12°3          | 1°3           | 77°3  | 14th     | 87°1 | 4th      | 66°8 | 4°4                              | 12°9          | 0°1           |
| July . . .        | 77°1  | 20th & 21st | 78°6 | 9th      | 73°6 | 2°3                              | 4°0           | 1°1           | 76°9  | 20th     | 80°1 | 9th      | 74°3 | 2°3                              | 6°3           | 0°6           |
| August . . .      | 76°4  | 22nd        | 78°1 | 11th     | 73°9 | 2°5                              | 4°1           | 1°1           | 76°6  | 18th     | 78°7 | 22nd     | 74°8 | 2°4                              | 5°2           | 0             |
| September . . .   | 73°9  | 2nd         | 77°5 | 26th     | 69°0 | 3°4                              | 6°6           | 1°3           | 75°1  | 1st      | 79°0 | 20th     | 70°3 | 3°5                              | 6°8           | 0°6           |
| October . . .     | 69°2  | 2nd         | 74°8 | 26th     | 60°1 | 4°2                              | 7°8           | 0°9           | 68°0  | 2nd      | 75°5 | 26th     | 59°3 | 5°8                              | 10°1          | 1°0           |
| November . . .    | 49°5§ | 7th         | 55°9 | 30th     | 39°4 | 8°2§                             | 10°8          | 6°2           | 51°2  | 25th     | 65°7 | 30th     | 40°7 | 9°9                              | 16°4          | 3°6           |
| December . . .    | 41°5  | 13th        | 55°5 | 31st     | 30°8 | 8°6                              | 10°6          | 3°7           | 45°0  | 11th     | 65°1 | 31st     | 33°3 | 9°4                              | 13°1          | 2°1           |
| Year . . .        | 60°7  | ...         | 88°5 | ...      | 28°9 | 6°7                              | 15°5          | 0°9           | 61°8  | ...      | 87°1 | ...      | 31°2 | ...                              | ...           | ...           |
| Means of extremes | ...   | ...         | 68°1 | ...      | 51°9 | ...                              | 10°2          | 3°7           | ...   | ...      | 71°8 | ...      | 52°8 | ...                              | ...           | ...           |

\* On a woollen pad 5 inches above ground.

§ Mean of 25 days.

\*\* On a blanket 1½ inches.

†† Mean of 27 days.

† Mean of 30 days.

|| " " 29 "

†† Mean of 28 days.

§§ " " 26 "

‡ " " 27 "

¶ " " 26 "

## 30. SIBSAGAR (corrected).\*

## 31. TEZPUR (corrected).†

| MONTH.            | Mean. | MAXIMUM.    |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean.          | MAXIMUM. |      | MINIMUM.   |      | DIFFERENCE, SHADE AND RADIATION.  |               |               |     |  |  |
|-------------------|-------|-------------|------|-------------|------|----------------------------------|---------------|---------------|----------------|----------|------|------------|------|-----------------------------------|---------------|---------------|-----|--|--|
|                   |       | Day.        | o    | Day.        | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |                | Day.     | o    | Day.       | o    | Mean.                             | Maxi-<br>mum. | Mini-<br>mum. |     |  |  |
| January . . .     | 44°8  | 25th        | 53°9 | 10th        | 38°4 | 6°1                              | 7°8           | 3°8           | 40°3           | 6th      | 50°3 | 30th       | 33°0 | } Shade minimum<br>untrustworthy. |               |               |     |  |  |
| February . . .    | 46°8  | 27th        | 55°7 | 7th         | 34°9 | 6°4                              | 9°6           | 4°5           | 37°2           | 17th     | 49°6 | 8th & 22nd | 27°0 |                                   |               |               |     |  |  |
| March . . . .     | 53°8  | 31st        | 60°3 | 15th        | 46°0 | 5°9                              | 8°5           | 4°1           | 47°0           | 21st     | 54°8 | 11th       | 39°3 |                                   |               |               |     |  |  |
| April . . . .     | 58°8  | 30th        | 67°0 | 7th         | 51°8 | 5°7                              | 7°0           | 4°8           | 50°3           | 30th     | 57°3 | 4th        | 41°2 |                                   |               |               |     |  |  |
| May . . . . .     | 65°5  | 23rd        | 71°8 | 14th        | 60°4 | 5°8                              | 8°0           | 4°0           | Untrustworthy. |          |      |            |      |                                   |               |               |     |  |  |
| June . . . . .    | 71°7  | 30th        | 75°2 | 13th        | 67°6 | 5°4                              | 7°0           | 3°5           | Imperfect.     |          |      |            |      |                                   |               |               |     |  |  |
| July . . . . .    | 74°3  | 11th & 20th | 76°2 | 15th        | 71°9 | 3°9                              | 5°3           | 1°4           | Not recorded.  |          |      |            |      |                                   |               |               |     |  |  |
| August . . . .    | 73°4  | 2nd & 16th  | 75°4 | 17th        | 71°0 | 4°6                              | 6°6           | 3°3           | Ditto.         |          |      |            |      |                                   |               |               |     |  |  |
| September . .     | 71°9  | 22nd        | 73°3 | 17th & 30th | 69°2 | 4°3                              | 5°6           | 3°3           | Ditto.         |          |      |            |      |                                   |               |               |     |  |  |
| October . . . .   | 67°5  | 10th        | 71°2 | 31st        | 63°7 | 5°0                              | 7°0           | 3°7           | Ditto.         |          |      |            |      |                                   |               |               |     |  |  |
| November . . .    | 53°4  | 15th        | 60°7 | 25th        | 48°2 | 5°5                              | 7°1           | 3°5           | Ditto.         |          |      |            |      |                                   |               |               |     |  |  |
| December . . .    | 47°0  | 29th        | 54°7 | 9th         | 40°2 | 5°8                              | 7°9           | 3°7           | Ditto.         |          |      |            |      |                                   |               |               |     |  |  |
| Year . . . . .    | 60°7  | ...         | 76°2 | ...         | 71°9 | 5°4                              | 9°6           | 4°8           | ...            | ...      | ...  | ...        | ...  | ...                               | ...           | ...           | ... |  |  |
| Means of extremes | ...   | ...         | 66°3 | ...         | 55°3 | ...                              | 7°3           | 3°6           | ...            | ...      | ...  | ...        | ...  | ...                               | ...           | ...           | ... |  |  |

\* On a woollen pad 3 inches above ground.

† On a woollen pad 2 inches above ground.

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

## 32. DHUBRI (corrected).\*

## 33. DARJEELING (corrected).\*

| MONTH.            | Mean. | MAXIMUM. |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |          |          | Mean.      | MAXIMUM. |      | MINIMUM.       |      | DIFFERENCE, SHADE AND RADIATION. |          |          |
|-------------------|-------|----------|------|-------------|------|----------------------------------|----------|----------|------------|----------|------|----------------|------|----------------------------------|----------|----------|
|                   |       | Day.     | °    | Day.        | °    | Mean.                            | Maximum. | Minimum. |            | Day.     | °    | Day.           | °    | Mean.                            | Maximum. | Minimum. |
| January . . .     | 43.7  | 16th     | 52.5 | 29th        | 36.7 | 9.4                              | 11.8     | 5.7      | 26.6†      | 9th      | 32.0 | 1st, 3rd & 5th | 20.9 | 8.3†                             | 15.1     | 1.8      |
| February . . .    | 44.0  | 28th     | 56.7 | 6th         | 32.6 | 9.9                              | 13.6     | 3.8      | Imperfect. |          |      |                |      |                                  |          |          |
| March . . . .     | 56.5  | 25th     | 69.2 | 7th         | 45.7 | 8.3                              | 12.3     | 2.3      | 33.6§      | 30th     | 39.8 | 4th            | 21.8 | 10.3§                            | 19.7     | 4.4      |
| April . . . .     | 64.1  | 14th     | 74.6 | 6th         | 51.0 | 6.4                              | 12.6     | 2.3      | 36.4       | 14th     | 44.5 | 5th            | 24.9 | 10.0                             | 17.8     | 1.0      |
| May . . . . .     | 69.6  | 26th     | 73.9 | 13th        | 64.7 | 3.3                              | 7.0      | 0.6      | 43.3¶      | 31st     | 52.0 | 12th           | 35.5 | 7.2¶                             | 12.3     | 0.5      |
| June . . . . .    | 74.9  | 23rd     | 77.9 | 5th         | 70.5 | 2.5                              | 5.0      | 0.8      | 52.7       | 12th     | 59.4 | 5th            | 43.4 | 3.6††                            | 11.1     | 0        |
| July . . . . .    | 75.5  | 19th     | 78.0 | 12th        | 71.6 | 3.1                              | 6.8      | 0.8      | 56.4       | 28th     | 59.8 | 13th           | 53.1 | 1.1                              | 4.7      | 0        |
| August . . . .    | 75.3  | 24th     | 77.5 | 12th        | 72.2 | 3.1                              | 5.6      | 0.7      | 55.0       | 28th     | 57.8 | 18th           | 49.1 | 2.2                              | 7.0      | 0        |
| September . .     | 73.3  | 2nd      | 76.5 | 25th & 26th | 70.4 | 3.6                              | 5.9      | 0.8      | 52.1**     | 4th      | 57.7 | 29th           | 46.8 | 3.2**                            | 6.6      | 0        |
| October . . .     | 68.7  | 7th      | 73.0 | 31st        | 61.8 | 6.3                              | 9.4      | 2.3      | 42.3††     | 4th      | 50.5 | 31st           | 32.8 | 8.2††                            | 11.6     | 0.5      |
| November . .      | 56.8  | 2nd      | 61.2 | 20th        | 51.8 | 7.0†                             | 11.1     | 4.1      | 32.2††     | 13th     | 41.6 | 20th           | 27.5 | 10.9††                           | 15.9     | 1.3      |
| December . .      | 49.8  | 13th     | 59.9 | 24th        | 45.3 | 7.5                              | 10.1     | 2.1      | 26.7       | 14th     | 32.5 | 31st           | 20.4 | 10.9§§                           | 20.8     | 1.9      |
| Year . . . . .    | 62.7  | ...      | 78.0 | ...         | 32.6 | 5.9                              | 13.6     | 0.6      | ...        | ...      | ...  | ...            | ...  | ...                              | ...      | ...      |
| Means of extremes | ...   | ...      | 69.2 | ...         | 56.2 | ...                              | 9.3      | 2.2      | ...        | ...      | ...  | ...            | ...  | ...                              | ...      | ...      |

† Mean of 26 days.

\* On a wollen pad 1 inch above ground.

‡ Mean of 27 days.

§ " " 25 "

|| " " 24 "

¶ " " 22 "

\*\* Mean of 26 days.

†† " " 30 "

‡‡ " " 29 "

§§ " " 28 "

## 34. PURNEAH (corrected).\*

## 35. PATNA (corrected).†

| MONTH.            | Mean. | MAXIMUM.                          |      | MINIMUM.                                          |      | DIFFERENCE, SHADE AND RADIATION. |          |          | Mean. | MAXIMUM.    |      | MINIMUM.           |      | DIFFERENCE, SHADE AND RADIATION. |          |          |
|-------------------|-------|-----------------------------------|------|---------------------------------------------------|------|----------------------------------|----------|----------|-------|-------------|------|--------------------|------|----------------------------------|----------|----------|
|                   |       | Day.                              | °    | Day.                                              | °    | Mean.                            | Maximum. | Minimum. |       | Day.        | °    | Day.               | °    | Mean.                            | Maximum. | Minimum. |
| January . . .     | 37.8  | 21st                              | 49.7 | 29th                                              | 30.0 | Shade minimum not recorded.      |          |          | 46.9  | 21st        | 57.7 | 29th               | 41.3 | 3.3                              | 4.5      | 2.1      |
| February . . .    | 39.3  | 26th                              | 58.6 | 5th                                               | 28.0 | Ditto.                           |          |          | 46.5  | 17th        | 56.5 | 5th                | 36.8 | 5.1                              | 8.1      | 2.2      |
| March . . . .     | 51.9† | 23rd & 31st                       | 59.6 | 6th                                               | 40.8 | Shade min. untrustworthy.        |          |          | 56.8  | 23rd        | 66.3 | 6th                | 42.9 | 7.6                              | 12.7     | 1.6      |
| April . . . .     | 59.5  | 28th                              | 75.6 | 8th                                               | 44.8 | Ditto.                           |          |          | 61.9  | 27th        | 74.7 | 3rd                | 49.5 | 9.5                              | 15.0     | 2.7      |
| May . . . . .     | 70.5  | 24th                              | 75.6 | 13th                                              | 63.6 | Ditto.                           |          |          | 73.1  | 29th        | 78.7 | 12th               | 65.7 | 3.6                              | 10.7     | 0.7      |
| June . . . . .    | 74.9  | 8th, 16th, 21st to 23rd and 30th. | 74.9 | 3rd & 7th                                         | 69.6 | Shade min. imperfect             |          |          | 77.7  | 14th & 15th | 84.7 | 4th                | 64.7 | 3.5                              | 15.1     | 0.7      |
| July . . . . .    | 75.6  | 16th                              | 78.6 | 11th                                              | 71.6 | 3.6                              | 8.0      | 0        | 76.4  | 10th & 17th | 79.7 | 8th                | 71.1 | 3.4                              | 5.5      | 0.7      |
| August . . . .    | 75.5  | 22nd                              | 77.6 | 11th                                              | 73.6 | 2.4                              | 5.0      | 0        | 76.3  | 21st & 31st | 78.7 | 1st to 3rd & 12th. | 74.1 | 2.8                              | 5.2      | 0.7      |
| September . .     | 74.7  | 2nd to 4th                        | 76.6 | 5th, 7th, 10th, 11th, 14th, 25th, & 27th to 29th. | 73.6 | 1.9                              | 4.0      | 0        | 75.9  | 1st         | 79.3 | 26th               | 72.7 | 2.5                              | 6.0      | 1.0      |
| October . . .     | 69.6  | 1st & 9th                         | 73.6 | 31st                                              | 61.6 | 4.1                              | 7.0      | 0        | 69.5  | 3rd & 17th  | 74.1 | 31st               | 60.7 | 6.0                              | 10.9     | 0.9      |
| November . .      | 53.4  | 26th                              | 64.6 | 29th                                              | 44.8 | 7.1                              | 10.0     | 1.1      | 52.0  | 26th        | 63.3 | 28th               | 42.7 | 10.8                             | 14.1     | 3.9      |
| December . .      | 46.4  | 11th & 12th                       | 62.6 | 31st                                              | 38.9 | 7.5                              | 12.0     | 1.1      | 45.3  | 11th        | 64.1 | 31st               | 37.8 | 9.2                              | 13.7     | 3.0      |
| Year . . . . .    | 60.8  | ...                               | 78.6 | ...                                               | 28.0 | ...                              | ...      | ...      | 63.2  | ...         | 84.7 | ...                | 36.8 | 5.6                              | 15.1     | 0.7      |
| Means of extremes | ...   | ...                               | 69.0 | ...                                               | 53.4 | ...                              | ...      | ...      | ...   | ...         | 71.5 | ...                | 55.0 | ...                              | 10.1     | 1.7      |

\* On a wollen pad 3 inches above ground.

† Mean of 26 days.

† On a wollen pad 2½ inches above ground.

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

## 36. HAZARIBAGH (corrected).\*

## 37. BERHAMPORE (corrected).†

| MONTH.            | Mean. | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.                                |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|----------|------|----------|------|----------------------------------|---------------|---------------|-------|-----------------------------------------|------|-------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.     | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.                                    | o    | Day.        | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 39'8  | 21st     | 49'4 | 1st      | 30'6 | 10'7                             | 15'7          | 7'2           | 42'7  | 21st                                    | 50'7 | 29th        | 32'0 | 12'0                             | 16'1          | 8'0           |
| February . . .    | 42'4  | 17th     | 53'7 | 5th      | 32'6 | 10'0                             | 13'2          | 7'3           | 40'6  | 18th                                    | 51'7 | 5th         | 28'0 | 13'4                             | 17'7          | 9'5           |
| March . . .       | 55'0  | 20th     | 63'7 | 13th     | 45'4 | 8'5                              | 13'8          | 2'4           | 55'7  | 31st                                    | 67'7 | 6th         | 43'6 | 11'0                             | 17'0          | 2'4           |
| April . . .       | 61'6  | 28th     | 68'9 | 6th      | 46'9 | 10'1                             | 16'9          | 4'2           | 64'2  | 11th                                    | 75'2 | 6th         | 44'1 | 9'4                              | 17'0          | 2'0           |
| May . . .         | 68'2  | 23rd     | 73'6 | 20th     | 59'9 | 5'5                              | 14'5          | 1'3           | 71'2  | 9th, 11th<br>16th & 30th.               | 75'2 | 13th & 14th | 64'3 | 4'8                              | 10'1          | 2'1           |
| June . . .        | 72'2  | 12th     | 79'7 | 6th      | 66'9 | 3'7                              | 8'8           | 0             | 75'3  | 23rd                                    | 78'1 | 6th         | 66'2 | 3'6                              | 6'1           | 1'1           |
| July . . .        | 71'5  | 20th     | 73'3 | 13th     | 68'9 | 2'3                              | 4'9           | 0'9           | 75'8  | 1st                                     | 78'1 | 7th         | 72'2 | 2'6                              | 4'3           | 1'2           |
| August . . .      | 70'6  | 24th     | 72'6 | 16th     | 67'9 | 2'4                              | 4'9           | 0'8           | 75'8  | 6th, 7th, 12th to<br>14th, 16th & 17th. | 77'1 | 9th         | 73'2 | 2'8                              | 4'7           | 0'1           |
| September . . .   | 69'2  | 23rd     | 71'6 | 27th     | 64'7 | 2'8                              | 6'8           | 1'0           | 75'6  | 17th, 23rd &<br>24th.                   | 78'1 | 5th & 6th   | 72'2 | 3'0                              | 5'2           | 1'1           |
| October . . .     | 64'6  | 2nd      | 69'7 | 31st     | 55'4 | 4'8                              | 8'9           | 0'8           | 73'2  | 1st, 6th &<br>15th.                     | 75'2 | 31st        | 65'3 | 3'6                              | 6'4           | 1'1           |
| November . . .    | 50'2  | 26th     | 63'1 | 30th     | 40'1 | 10'1                             | 14'7          | 0'7           | 59'7  | 26th                                    | 66'7 | 29th        | 50'2 | 6'9                              | 10'0          | 1'9           |
| December . . .    | 42'4  | 11th     | 57'4 | 19th     | 35'1 | 10'2                             | 14'9          | 4'1           | 51'2  | 11th                                    | 64'3 | 18th        | 45'6 | 7'0                              | 10'0          | 2'9           |
| Year . . .        | 59'0  | ...      | 79'7 | ...      | 30'6 | 6'8                              | 16'9          | 0             | 63'4  | ...                                     | 78'1 | ...         | 28'0 | 6'7                              | 17'7          | 0'1           |
| Means of extremes | ...   | ...      | 66'4 | ...      | 51'2 | ...                              | 11'5          | 2'6           | ...   | ...                                     | 69'8 | ...         | 54'7 | ...                              | 10'4          | 2'8           |

\* On a woollen pad 3 inches above ground.

† On a woollen pad 2 inches above ground.

## 38. BURDWAN (corrected).\*

## 39. JESSORE (corrected).§

| MONTH.            | Mean. | MAXIMUM.   |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean.  | MAXIMUM.   |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|------------|------|-------------|------|----------------------------------|---------------|---------------|--------|------------|------|----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.       | o    | Day.        | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |        | Day.       | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 44'7  | 24th       | 54'9 | 7th         | 37'1 | 10'2                             | 14'2          | 6'1           | 42'0   | 28th       | 55'9 | 30th     | 35'5 | 10'2                             | 13'9          | 4'6           |
| February . . .    | 44'3  | 28th       | 59'4 | 20th        | 32'0 | 10'9                             | 22'3          | 7'0           | 41'7¶  | 28th       | 58'1 | 5th      | 30'3 | 12'0¶                            | 20'9          | 9'0           |
| March . . .       | 61'1  | 31st       | 73'4 | 7th         | 48'3 | 7'5                              | 12'6          | 3'0           | 60'2** | 31st       | 70'9 | 14th     | 48'9 | 8'3**                            | 11'5          | 5'4           |
| April . . .       | 66'0† | 13th       | 74'4 | 6th         | 49'3 | 8'0†                             | 13'9          | 3'9           | 68'8†† | 20th       | 75'8 | 6th      | 51'3 | 6'7††                            | 12'6          | 2'6           |
| May . . .         | 71'0† | 11th       | 75'4 | 13th        | 63'5 | 5'6†                             | 8'4           | 3'1           | 72'3†† | 30th       | 76'2 | 14th     | 65'1 | 5'1††                            | 7'9           | 2'1           |
| June . . .        | 75'3  | 14th       | 78'4 | 2nd         | 72'4 | 4'5                              | 8'5           | 1'8           | 76'5   | 24th       | 80'2 | 6th      | 71'0 | 3'4                              | 6'1           | 1'4           |
| July . . .        | 75'2  | 1st & 2nd  | 77'4 | 7th         | 71'9 | 4'1                              | 6'0           | 1'5           | 76'8   | 20th       | 79'4 | 7th      | 73'1 | 2'6                              | 4'9           | 1'2           |
| August . . .      | 75'3  | 23rd       | 77'8 | 15th        | 73'4 | 3'9                              | 6'0           | 1'8           | 76'3   | 24th       | 77'7 | 9th      | 74'2 | 2'2                              | 4'4           | 0'7           |
| September . . .   | 75'6  | 17th       | 78'4 | 28th        | 72'4 | 3'2                              | 7'2           | 1'0           | 75'4   | 1st & 10th | 77'2 | 29th     | 72'3 | 3'1                              | 5'8           | 0'9           |
| October . . .     | 71'6  | 10th       | 75'9 | 31st        | 65'0 | 6'0                              | 8'0           | 2'5           | 72'6   | 4th        | 76'6 | 30th     | 68'1 | 4'8                              | 7'7           | 2'4           |
| November . . .    | 57'7  | 3rd & 27th | 68'5 | 29th        | 41'5 | 8'6                              | 17'9          | 0'1           | 58'5   | 27th       | 68'1 | 29th     | 47'1 | 7'9                              | 11'6          | 1'4           |
| December . . .    | 47'3  | 11th       | 62'5 | 18th & 21st | 40'4 | 9'7                              | 12'6          | 5'0           | 47'6   | 13th       | 63'3 | 18th     | 40'1 | 10'3                             | 13'1          | 4'9           |
| Year . . .        | 63'8  | ...        | 78'4 | ...         | 32'0 | 6'9                              | 22'3          | 0'1           | 64'1   | ...        | 80'2 | ...      | 30'3 | 6'4                              | 20'9          | 0'7           |
| Means of extremes | ...   | ...        | 71'4 | ...         | 55'6 | ...                              | 11'5          | 3'1           | ...    | ...        | 71'6 | ...      | 56'4 | ...                              | 10'0          | 3'1           |

\* On a woollen pad 2½ inches above ground. † Mean of 26 days.

‡ Mean of 30 days.

§ On a woollen pad 2 inches above ground and in February 1 inch.  
|| Mean of 30 days. †† Mean of 25 days.  
¶ " " 26 " ‡‡ " " 23 "  
\*\* " " 22 "

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

## 40. DACCA (corrected).\*

## 41. CHITTAGONG (corrected).†

| MONTH.            | Mean. | MAXIMUM.    |      | MINIMUM.  |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.              |      | MINIMUM.  |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|-------------|------|-----------|------|----------------------------------|---------------|---------------|-------|-----------------------|------|-----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.        | o    | Day.      | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.                  | o    | Day.      | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 44.5† | 22nd        | 53.2 | 31st      | 37.3 | 12.0†                            | 19.6          | 8.4           | 48.9  | 25th                  | 57.4 | 30th      | 38.0 | 7.1                              | 12.4          | 5.0           |
| February . . .    | 44.5  | 28th        | 64.5 | 6th       | 32.6 | 11.3                             | 15.3          | 5.4           | 48.4  | 27th                  | 65.4 | 6th       | 35.0 | 8.0                              | 11.6          | 3.6           |
| March . . .       | 60.5  | 31st        | 72.5 | 14th      | 47.1 | 6.9                              | 12.7          | 0.8           | 60.7  | 31st                  | 69.3 | 14th      | 49.0 | 5.9                              | 10.1          | 3.5           |
| April . . .       | 69.6  | 13th        | 76.3 | 5th       | 57.2 | 4.6                              | 8.8           | 0.3           | 69.1  | 13th                  | 73.8 | 6th       | 59.5 | 4.3                              | 8.6           | 0.9           |
| May . . .         | 71.2  | 31st        | 76.7 | 13th      | 64.7 | 4.0                              | 8.1           | 1.0           | 71.6  | 21st                  | 76.1 | 13th      | 66.8 | 3.1                              | 5.2           | 0.7           |
| June . . .        | 77.0  | 24th        | 79.5 | 6th       | 73.3 | 1.8                              | 5.5           | 0.2           | 74.2  | 13th, 20th &<br>21st. | 76.6 | 10th      | 65.8 | 2.6                              | 11.0          | 0.8           |
| July . . .        | 77.5  | 19th        | 80.2 | 6th & 7th | 74.8 | 1.3                              | 3.4           | 0             | 74.6  | 1st                   | 76.7 | 3rd & 9th | 72.7 | 1.7                              | 3.8           | 0.6           |
| August . . .      | 77.2  | 20th & 29th | 79.4 | 7th       | 75.1 | 1.2                              | 3.2           | 0.2           | 74.0  | 20th                  | 75.8 | 26th      | 70.8 | 1.8                              | 5.4           | 0.6           |
| September . . .   | 76.7  | 4th         | 79.3 | 29th      | 73.3 | 2.2                              | 4.8           | 0             | 73.5  | 4th                   | 76.0 | 27th      | 71.3 | 2.6                              | 4.2           | 1.0           |
| October . . .     | 72.4  | 9th         | 77.3 | 31st      | 67.3 | 4.5                              | 7.0           | 0.3           | 71.8  | 14th                  | 75.1 | 31st      | 67.7 | 3.1                              | 8.2           | 0.5           |
| November . . .    | 57.2  | 1st         | 65.1 | 30th      | 47.1 | 9.2                              | 12.3          | 5.8           | 61.7  | 11th                  | 70.8 | 15th      | 53.7 | 4.6                              | 7.2           | 0.9           |
| December . . .    | 48.1  | 13th        | 61.4 | 18th      | 42.5 | 11.2                             | 13.5          | 4.7           | 50.5  | 13th                  | 68.8 | 17th      | 45.0 | 7.2                              | 11.3          | 1.8           |
| Year . . .        | 64.7  | ...         | 80.2 | ...       | 32.6 | 5.9                              | 19.6          | 0             | 64.9  | ...                   | 76.7 | ...       | 35.0 | 4.3                              | 12.4          | 0.5           |
| Means of extremes | ...   | ...         | 72.1 | ...       | 57.7 | ...                              | 9.5           | 2.3           | ...   | ...                   | 71.8 | ...       | 57.9 | ...                              | 8.3           | 1.7           |

\* On a woollen pad 4 inches above ground.  
† Mean of 30 days.

† On a woollen pad 3 inches above ground.

## 42. CALCUTTA (ALIPORE) (corrected).\*

## 43. SAUGOR ISLAND (corrected).†

| MONTH.            | Mean. | MAXIMUM.   |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.    |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|------------|------|----------|------|----------------------------------|---------------|---------------|-------|-------------|------|-------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.       | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.        | o    | Day.        | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 46.8  | 28th       | 59.3 | 3rd      | 39.4 | 9.4                              | 12.1          | 2.9           | 48.4  | 25th        | 60.8 | 30th        | 38.7 | 10.9                             | 14.6          | 8.0           |
| February . . .    | 47.4  | 28th       | 66.4 | 6th      | 35.2 | 10.4                             | 14.4          | 5.8           | 50.5  | 26th & 28th | 63.8 | 6th         | 36.0 | 11.6                             | 16.0          | 9.1           |
| March . . .       | 62.4  | 31st       | 72.0 | 14th     | 48.7 | 6.6                              | 12.0          | 0.3           | 66.5  | 30th        | 73.8 | 14th        | 53.0 | 7.7                              | 13.2          | 3.4           |
| April . . .       | 68.6  | 13th       | 73.3 | 6th      | 53.3 | 6.5                              | 11.2          | 4.0           | 73.2  | 13th        | 76.3 | 6th         | 62.8 | 6.4                              | 10.2          | 4.2           |
| May . . .         | 72.4  | 5th & 11th | 77.8 | 14th     | 66.1 | 4.5                              | 9.0           | -0.4          | 75.7  | 11th        | 79.2 | 14th        | 68.8 | 5.7                              | 8.2           | 2.6           |
| June . . .        | 76.5  | 4th        | 79.8 | 9th      | 73.3 | 2.6                              | 5.6           | -0.4          | 77.8  | 12th & 27th | 82.4 | 29th        | 75.0 | 4.0                              | 6.2           | 1.2           |
| July . . .        | 76.9  | 7th & 29th | 78.3 | 8th      | 74.1 | 1.8                              | 2.9           | 0.2           | 77.5  | 25th        | 80.6 | 11th        | 74.5 | 3.4                              | 6.8           | 1.6           |
| August . . .      | 76.4  | 3rd        | 78.6 | 30th     | 74.3 | 2.0                              | 3.9           | 0.4           | 76.8  | 27th        | 80.4 | 15th & 16th | 73.8 | 3.5                              | 5.5           | 1.5           |
| September . . .   | 75.2  | 5th        | 78.8 | 30th     | 72.0 | 2.8                              | 4.0           | 1.0           | 76.3† | 24th        | 78.8 | 27th & 29th | 72.8 | 3.3†                             | 4.8           | 0.2           |
| October . . .     | 72.3  | 10th       | 74.8 | 31st     | 68.1 | 4.5                              | 6.6           | 2.4           | 73.4  | 21st        | 77.8 | 31st        | 67.8 | 4.7                              | 7.2           | 2.8           |
| November . . .    | 59.0  | 27th       | 69.3 | 30th     | 47.9 | 8.1                              | 12.1          | 1.1           | 61.5  | 10th        | 69.7 | 30th        | 51.7 | 7.5                              | 11.2          | 4.3           |
| December . . .    | 48.9  | 11th       | 68.8 | 18th     | 40.9 | 9.3                              | 13.3          | 0.1           | 51.5  | 13th        | 67.6 | 18th & 21st | 43.9 | 10.0                             | 13.3          | 3.2           |
| Year . . .        | 65.2  | ...        | 79.8 | ...      | 35.2 | 5.7                              | 14.4          | -0.4          | 67.4  | ...         | 82.4 | ...         | 36.0 | 6.6                              | 16.0          | 0.2           |
| Means of extremes | ...   | ...        | 73.1 | ...      | 57.8 | ...                              | 8.9           | 1.5           | ...   | ...         | 74.3 | ...         | 59.9 | ...                              | 9.8           | 3.3           |

\* On a woollen pad 1 inch above ground.

† On a woollen pad 2 inches above ground.  
† Mean of 29 days.



TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

41

44. CUTTACK (*corrected*).\*45. FALSE POINT (*corrected*).†

| MONTH.            | Mean. | MAXIMUM.         |      | MINIMUM.          |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.                              |      | MINIMUM.   |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|------------------|------|-------------------|------|----------------------------------|---------------|---------------|-------|---------------------------------------|------|------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.             | o    | Day.              | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.                                  | o    | Day.       | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 51'2  | 26th             | 63'0 | 4th               | 42'5 | 8'7                              | 16'5          | 2'7           | 51'1  | 28th                                  | 66'1 | 7th        | 39'9 | 14'2                             | 30'2          | 2'9           |
| February . . .    | 54'7  | 23rd             | 66'2 | 6th               | 44'6 | 7'4                              | 14'3          | 1'9           | 55'8  | 28th                                  | 68'5 | 6th        | 46'3 | 6'5                              | 10'2          | 3'9           |
| March . . .       | 65'4  | 27th             | 73'1 | 8th               | 55'8 | 7'0                              | 11'2          | 2'3           | 65'1  | 31st                                  | 74'8 | 13th       | 59'6 | 7'1                              | 14'3          | 1'0           |
| April . . .       | 70'7  | 28th & 30th      | 75'1 | 4th               | 58'0 | 5'7                              | 9'5           | 2'7           | 69'3  | 9th                                   | 72'9 | 5th        | 63'2 | 9'1                              | 15'7          | 3'0           |
| May . . .         | 71'5  | 4th              | 76'1 | 15th              | 65'6 | 5'4                              | 9'7           | 2'0           | 73'4  | 10th & 29th                           | 80'1 | 1st & 2nd  | 63'5 | 5'6                              | 17'4          | 0'6           |
| June . . .        | 73'0  | 13th             | 80'1 | 7th, 14th & 23rd. | 70'0 | 5'0                              | 8'4           | 1'6           | 77'2  | 13th                                  | 83'4 | 11th       | 71'7 | 2'3                              | 4'7           | 0'6           |
| July . . .        | 75'2  | 7th              | 78'8 | 29th              | 72'9 | 3'4                              | 6'2           | 0'6           | 76'2  | 1st, 4th, 6th, 24th & 25th, 4th & 6th | 78'7 | 29th       | 73'1 | 2'2                              | 3'9           | 0'8           |
| August . . .      | 75'6  | 4th, 5th & 10th. | 77'3 | 15th              | 73'6 | 2'8                              | 8'6           | 0'4           | 76'4  | 7th                                   | 77'9 | 8th        | 74'5 | 2'6                              | 4'7           | 1'1           |
| September . . .   | 73'6  | 1st              | 75'4 | 17th to 20th      | 71'1 | 2'8                              | 5'4           | 0'6           | 75'3  | 5th                                   | 77'9 | 7th & 28th | 71'5 | 2'7                              | 4'4           | 1'4           |
| October . . .     | 73'2  | 4th              | 74'9 | 12th & 27th       | 71'1 | 3'1                              | 5'7           | 0'1           | 74'7  | 14th                                  | 76'9 | 31st       | 71'1 | 2'8                              | 5'3           | 1'2           |
| November . . .    | 63'2  | 1st              | 69'3 | 30th              | 53'4 | 5'5                              | 8'7           | 1'8           | 64'0  | 24th                                  | 70'9 | 30th       | 54'6 | 5'1                              | 12'1          | 1'9           |
| December . . .    | 53'0  | 16th             | 64'1 | 6th               | 43'0 | 7'1                              | 21'1          | 1'5           | 53'5  | 13th                                  | 66'4 | 20th       | 46'0 | 5'7                              | 8'2           | 2'2           |
| Year . . .        | 66'7  | ...              | 80'1 | ...               | 42'5 | 5'3                              | 21'1          | 0'1           | 67'7  | ...                                   | 83'4 | ...        | 39'9 | 5'5                              | 30'2          | 0'6           |
| Means of extremes | ...   | ...              | 72'8 | ...               | 60'1 | ...                              | 10'4          | 1'5           | ...   | ...                                   | 74'5 | ...        | 61'3 | ...                              | 10'9          | 1'7           |

\* On a woollen pad 2 inches above ground.

† On a woollen pad 2½ inches above ground.

46. SAMBALPUR (*corrected*).\*47. RAIPUR (*corrected*).†

| MONTH.            | Mean. | MAXIMUM.   |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|------------|------|-------------|------|----------------------------------|---------------|---------------|-------|----------|------|----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.       | o    | Day.        | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 46'7  | 26th       | 59'7 | 1st         | 37'1 | 8'6                              | 12'4          | 3'6           | 42'3  | 26th     | 59'1 | 1st      | 34'0 | 12'7                             | 16'7          | 4'6           |
| February . . .    | 51'3  | 21st       | 57'8 | 6th         | 41'5 | 6'5                              | 9'7           | 4'4           | 47'6  | 28th     | 58'3 | 5th      | 32'5 | 11'6                             | 16'3          | 6'6           |
| March . . .       | 60'9  | 28th       | 65'6 | 6th         | 55'1 | 6'6                              | 10'0          | 2'7           | 57'8  | 28th     | 67'2 | 14th     | 47'5 | 10'3                             | 15'0          | 4'1           |
| April . . .       | 61'5  | 29th       | 69'7 | 5th         | 52'3 | 12'0                             | 15'9          | 8'1           | 63'8  | 12th     | 75'5 | 5th      | 47'3 | 11'9                             | 17'0          | 5'4           |
| May . . .         | 69'8  | 8th & 30th | 73'7 | 10th        | 62'9 | 10'2                             | 14'7          | 3'7           | 72'9  | 23rd     | 79'5 | 19th     | 59'9 | 6'7                              | 13'5          | 4'0           |
| June . . .        | 73'3  | 12th       | 76'7 | 19th        | 68'3 | 5'9                              | 11'9          | 3'5           | 75'2  | 13th     | 82'0 | 16th     | 70'9 | 4'3†                             | 5'2           | 3'8           |
| July . . .        | 74'0  | 16th       | 76'5 | 5th & 9th   | 71'7 | 3'4                              | 5'8           | 2'2           | 74'0  | 1st      | 76'3 | 9th      | 70'9 | Shade minimum imperfect.         |               |               |
| August . . .      | 74'6  | 6th        | 76'7 | 23rd        | 71'7 | 3'0                              | 4'9           | 2'4           | 73'5  | 19th     | 75'9 | 27th     | 70'9 | 2'3                              | 3'9           | 0'7           |
| September . . .   | 73'9  | 5th        | 76'7 | 27th & 28th | 70'7 | 3'3                              | 5'8           | 2'5           | 70'5  | 5th      | 74'9 | 27th     | 61'0 | 4'3                              | 12'4          | 0'3           |
| October . . .     | 70'3  | 7th        | 72'3 | 31st        | 64'5 | 4'9                              | 7'2           | 3'2           | 69'4  | 2nd      | 73'0 | 31st     | 62'5 | 3'6                              | 9'1           | 0'4           |
| November . . .    | 57'9  | 25th       | 68'1 | 30th        | 47'8 | 7'4                              | 10'1          | 2'5           | 52'7  | 24th     | 66'0 | 17th     | 42'2 | 9'7                              | 16'5          | 1'1           |
| December . . .    | 45'8  | 12th       | 66'5 | 20th        | 37'0 | 9'8                              | 13'0          | 3'8           | 41'4  | 10th     | 63'6 | 18th     | 32'4 | 13'6                             | 18'1          | 3'1           |
| Year . . .        | 63'3  | ...        | 76'7 | ...         | 37'0 | 6'8                              | 15'9          | 2'2           | 61'8  | ...      | 82'0 | ...      | 32'4 | ...                              | ...           | ...           |
| Means of extremes | ...   | ...        | 70'0 | ...         | 56'7 | ...                              | 10'1          | 3'6           | ...   | ...      | 70'9 | ...      | 52'7 | ...                              | ...           | ...           |

\* On a woollen pad 1½ inches above ground.

† On a woollen pad resting on the ground.

‡ Mean of 21 days.

f

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

48. NAGPUR (*corrected*).\*49. SEONI (*corrected*).†

| MONTH.            | Mean. | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.                   |      | MINIMUM.  |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|----------|------|----------|------|----------------------------------|---------------|---------------|-------|----------------------------|------|-----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.     | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.                       | o    | Day.      | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 40'3  | 25th     | 49'2 | 2nd      | 32'7 | 14'2                             | 17'0          | 10'1          | 39'3  | 26th                       | 48'5 | 1st       | 29'7 | 11'9                             | 18'0          | 6'8           |
| February . . .    | 44'7  | 1st      | 58'8 | 5th      | 27'3 | 14'5                             | 20'1          | 6'0           | 42'2  | 16th & 28th                | 51'0 | 4th & 5th | 28'6 | 12'6                             | 16'3          | 7'5           |
| March . . .       | 52'9  | 21st     | 70'4 | 15th     | 44'1 | 14'0                             | 19'4          | 4'9           | 52'7  | 22nd                       | 61'6 | 15th      | 44'4 | 10'1                             | 14'9          | 3'4           |
| April . . .       | 58'1  | 30th     | 76'5 | 4th      | 44'6 | 15'4                             | 20'8          | 7'8           | 55'5  | 30th                       | 67'1 | 5th       | 44'1 | 13'7                             | 17'8          | 7'8           |
| May . . .         | 71'6  | 30th     | 79'3 | 20th     | 57'8 | 9'8                              | 15'5          | 2'6           | 67'0  | 28th                       | 75'7 | 19th      | 57'4 | 9'8                              | 14'0          | 4'4           |
| June . . .        | 72'8  | 11th     | 78'7 | 7th      | 65'8 | 4'4                              | 10'3          | 1'1           | 69'3  | 22nd                       | 73'1 | 9th       | 65'1 | 5'0                              | 11'0          | 1'2           |
| July . . .        | 72'3  | 7th      | 74'7 | 25th     | 68'3 | 2'9                              | 5'4           | 1'2           | 70'5  | 8th, 15th,<br>18th & 29th. | 72'3 | 28th      | 68'3 | 2'2                              | 4'4           | 1'1           |
| August . . .      | 70'3  | 19th     | 74'7 | 29th     | 63'8 | 4'8                              | 7'1           | 1'3           | 69'4  | 18th                       | 72'2 | 28th      | 64'8 | 2'7                              | 5'8           | 1'1           |
| September . . .   | 67'1  | 23rd     | 72'6 | 27th     | 58'6 | 7'4                              | 13'8          | 2'4           | 63'7  | 4th                        | 71'7 | 27th      | 55'8 | 6'5                              | 13'5          | 1'7           |
| October . . .     | 66'3  | 2nd      | 72'2 | 11th     | 54'0 | 6'3                              | 12'7          | 1'5           | 63'5  | 2nd                        | 71'1 | 11th      | 54'2 | 5'1                              | 11'0          | 1'0           |
| November . . .    | 51'1  | 12th     | 62'8 | 30th     | 43'2 | 11'5                             | 14'7          | 6'4           | 48'6  | 12th                       | 62'3 | 6th       | 41'0 | 9'0                              | 12'7          | 3'6           |
| December . . .    | 41'8  | 11th     | 67'6 | 20th     | 30'9 | 14'1                             | 19'8          | 2'1           | 40'3  | 11th                       | 61'8 | 19th      | 31'9 | 10'7                             | 15'3          | 1'8           |
| Year . . .        | 59'1  | ...      | 79'3 | ...      | 27'3 | 9'9                              | 20'8          | 1'1           | 56'8  | ...                        | 75'7 | ...       | 28'6 | 8'3                              | 18'0          | 1'0           |
| Means of extremes | ...   | ...      | 69'8 | ...      | 49'3 | ...                              | 14'7          | 4'0           | ...   | ...                        | 65'7 | ...       | 48'8 | ...                              | 12'9          | 3'5           |

\* On a woollen pad 3 inches above ground.

† On a woollen pad 6 inches above ground.

50. JUBBULPORE (*corrected*).\*51. SAUGOR (*corrected*).‡

| MONTH.            | Mean. | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.              |      | MINIMUM.   |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|----------|------|----------|------|----------------------------------|---------------|---------------|-------|-----------------------|------|------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.     | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.                  | o    | Day.       | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 42'0  | 23rd     | 50'9 | 1st      | 29'3 | 6'9                              | 11'9          | 4'2           | 40'8  | 20th                  | 52'7 | 28th       | 29'6 | 11'5                             | 15'0          | 7'0           |
| February . . .    | 41'5  | 17th     | 52'6 | 5th      | 28'2 | 8'5                              | 11'4          | 5'2           | 39'8  | 24th                  | 51'7 | 4th        | 28'4 | 12'2                             | 14'1          | 6'5           |
| March . . .       | 53'4  | 21st     | 62'9 | 14th     | 44'9 | 7'6                              | 11'2          | 3'9           | 51'3  | 31st                  | 57'9 | 5th        | 44'9 | 13'3                             | 17'5          | 8'7           |
| April . . .       | 57'9  | 30th     | 68'7 | 5th      | 42'8 | 9'1                              | 12'7          | 6'2           | 54'0  | 30th                  | 64'8 | 2nd        | 42'0 | 16'9                             | 20'1          | 13'8          |
| May . . .         | 69'8  | 30th     | 80'0 | 10th     | 59'3 | 7'3                              | 14'6          | 1'3           | 67'5  | 27th                  | 76'1 | 19th       | 56'7 | 11'9                             | 17'6          | 5'8           |
| June . . .        | 73'6  | 14th     | 79'8 | 8th      | 68'9 | 3'6                              | 6'9           | 1'0           | 69'2  | 13th                  | 74'8 | 7th        | 60'2 | 7'7                              | 16'0          | 3'4           |
| July . . .        | 73'0  | 1st      | 75'0 | 23rd     | 71'1 | 1'6                              | 3'4           | 0'5           | 69'2† | 22nd                  | 71'4 | 5th & 25th | 67'2 | 4'6†                             | 7'2           | 1'4           |
| August . . .      | 72'7† | 19th     | 74'8 | 29th     | 70'7 | 1'5†                             | 2'6           | 0'3           | 68'1§ | 15th, 19th &<br>30th. | 70'2 | 28th       | 65'6 | 4'3§                             | 6'2           | 2'8           |
| September . . .   | 69'7  | 1st      | 73'8 | 28th     | 63'7 | 2'4                              | 3'9           | 0'7           | 64'8  | 3rd                   | 71'6 | 24th       | 58'8 | 5'5                              | 10'1          | 1'6           |
| October . . .     | 66'3  | 2nd      | 71'3 | 12th     | 55'7 | 3'4                              | 7'1           | 0'8           | 62'8  | 3rd, 5th &<br>22nd.   | 68'2 | 11th       | 52'8 | 6'1                              | 11'0          | 2'2           |
| November . . .    | 48'0  | 25th     | 57'9 | 15th     | 39'9 | 7'8                              | 10'4          | 5'0           | 46'0  | 25th                  | 52'3 | 23rd       | 39'8 | 12'6                             | 15'6          | 8'0           |
| December . . .    | 40'1  | 11th     | 63'1 | 5th      | 30'0 | 8'1                              | 12'3          | 2'4           | 40'9  | 12th                  | 57'5 | 8th & 19th | 33'4 | 12'5                             | 16'4          | 0'7           |
| Year . . .        | 59'0  | ...      | 80'0 | ...      | 28'2 | 5'7                              | 14'6          | 0'3           | 56'2  | ...                   | 76'1 | ...        | 28'4 | 9'9                              | 20'1          | 0'7           |
| Means of extremes | ...   | ...      | 67'6 | ...      | 50'4 | ...                              | 9'0           | 2'6           | ...   | ...                   | 64'1 | ...        | 48'3 | ...                              | 13'9          | 5'2           |

\* On a woollen pad 2 inches above ground.

† Mean of 30 days.

‡ On a woollen pad 3 inches above ground.  
§ Mean of 29 days.

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

## 52. PACHMARHI (corrected).\*

## 53. HOSHANGABAD (corrected).†

| MONTH.            | Mean. | MAXIMUM. |      | MINIMUM.      |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.  |      | MINIMUM.            |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|----------|------|---------------|------|----------------------------------|---------------|---------------|-------|-----------|------|---------------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.     | o    | Day.          | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.      | o    | Day.                | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 35.7  | 20th     | 45.0 | 29th          | 25.2 | 11.6                             | 15.8          | 9.0           | 45.3  | 17th      | 51.9 | 29th                | 34.0 | 7.8                              | 12.0          | 4.6           |
| February . . .    | 38.6  | 16th     | 53.1 | 4th           | 22.6 | 11.1                             | 14.9          | 6.8           | 43.1  | 28th      | 54.4 | 5th                 | 31.3 | 9.4                              | 13.4          | 6.0           |
| March . . .       | 49.1  | 1st      | 62.5 | 13th          | 36.5 | 11.4                             | 15.7          | 5.1           | 55.8† | 22nd      | 64.7 | 13th                | 46.8 | 9.0†                             | 11.7          | 0.4           |
| April . . .       | 54.0  | 11th     | 68.6 | 3rd           | 38.9 | 13.2                             | 19.1          | 7.9           | 62.0  | 29th      | 74.4 | 2nd                 | 48.8 | 8.2                              | 11.5          | 2.2           |
| May . . .         | 65.1  | 12th     | 73.6 | 19th          | 54.3 | 10.3                             | 15.3          | 2.4           | 75.1  | 17th      | 85.0 | 4th, 9th &<br>23rd. | 70.0 | 6.4                              | 16.2          | 1.2           |
| June . . .        | 67.4  | 13th     | 73.6 | 1st           | 61.4 | 3.6                              | 8.8           | 0.3           | 75.2  | 14th      | 84.6 | 7th                 | 71.2 | 2.3                              | 6.2           | 0             |
| July . . .        |       |          |      | Imperfect.    |      |                                  |               |               | 73.8  | 14th      | 76.9 | 25th                | 71.3 | 1.3                              | 5.5           | 0.4           |
| August . . .      |       |          |      | Not recorded. |      |                                  |               |               | 72.5† | 19th      | 75.5 | 9th                 | 69.6 | 1.8†                             | 4.4           | 0.4           |
| September . . .   |       |          |      | Ditto.        |      |                                  |               |               | 67.1  | 5th       | 75.5 | 29th                | 59.1 | 5.4                              | 10.8          | 0.6           |
| October . . .     | 60.4  | 2nd      | 66.9 | 11th          | 50.0 | 3.9                              | 7.2           | 0.8           | 65.4  | 2nd & 3rd | 71.0 | 13th                | 57.7 | 6.5                              | 10.5          | 2.5           |
| November . . .    | 43.0  | 12th     | 52.9 | 30th          | 36.0 | 10.4                             | 14.9          | 6.3           | 48.0  | 20th      | 59.5 | 5th                 | 41.7 | 11.7                             | 15.6          | 7.5           |
| December . . .    | 36.2  | 11th     | 52.6 | 4th           | 26.9 | 10.3                             | 14.7          | 4.8           | 42.6  | 11th      | 61.6 | 20th                | 34.2 | 10.0                             | 13.4          | 4.2           |
| Year . . .        | ...   | ...      | ...  | ...           | ...  | ...                              | ...           | ...           | 60.5  | ...       | 85.0 | ...                 | 31.3 | 6.7                              | 16.2          | 0             |
| Means of extremes | ...   | ...      | ...  | ...           | ...  | ...                              | ...           | ...           | ...   | ...       | 69.6 | ...                 | 53.0 | ...                              | 10.9          | 2.5           |

\* On a woollen pad 3 inches above ground.

† On a woollen pad resting on the ground.  
‡ Mean of 30 days.

## 54. KHANDWA (corrected).\*

## 55. CHANDA (corrected).†

| MONTH.            | Mean. | MAXIMUM. |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM. |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|----------|------|-------------|------|----------------------------------|---------------|---------------|-------|----------|------|-------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.     | o    | Day.        | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o    | Day.        | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 43.8  | 17th     | 55.8 | 28th & 29th | 34.1 | 8.2                              | 12.9          | 4.3           | 43.8  | 25th     | 57.0 | 12th        | 34.3 | 9.6                              | 11.8          | 7.8           |
| February . . .    | 44.3  | 28th     | 61.4 | 4th         | 27.0 | 9.2                              | 12.7          | 6.3           | 47.7  | 1st      | 58.7 | 5th         | 31.9 | 10.4                             | 13.0          | 7.2           |
| March . . .       | 55.5  | 31st     | 69.8 | 12th        | 45.5 | 10.0                             | 13.4          | 6.4           | 54.4  | 22nd     | 63.9 | 14th & 15th | 44.9 | 11.4                             | 14.5          | 9.1           |
| April . . .       | 60.2  | 30th     | 77.8 | 5th         | 43.4 | 11.9                             | 15.3          | 7.4           | 59.8  | 27th     | 71.7 | 5th         | 43.0 | 12.7                             | 17.3          | 8.8           |
| May . . .         | 75.4  | 28th     | 83.7 | 7th         | 64.3 | 6.7                              | 14.0          | 1.7           | 73.3  | 28th     | 82.1 | 20th        | 63.7 | 6.7                              | 12.9          | 1.4           |
| June . . .        | 73.3  | 14th     | 79.8 | 7th         | 68.8 | 3.0                              | 6.8           | 1.2           | 74.0  | 13th     | 79.8 | 9th         | 68.8 | 2.7                              | 6.0           | 0.9           |
| July . . .        | 72.1  | 2nd      | 75.2 | 27th        | 66.9 | 2.3                              | 4.5           | 1.1           | 73.2  | 2nd      | 75.7 | 25th        | 71.2 | 2.0                              | 4.8           | 1.0           |
| August . . .      | 70.3  | 19th     | 74.0 | 11th        | 66.0 | 3.4                              | 7.3           | 1.1           | 72.7  | 17th     | 75.0 | 29th        | 67.5 | 2.9                              | 5.8           | 1.2           |
| September . . .   | 67.7  | 2nd      | 73.0 | 25th        | 62.1 | 4.3                              | 8.5           | 1.1           | 68.5  | 1st      | 73.0 | 28th        | 61.6 | 5.6                              | 9.0           | 1.2           |
| October . . .     | 67.4  | 2nd      | 72.5 | 12th        | 55.6 | 3.7                              | 11.0          | 1.2           | 68.2  | 1st      | 73.5 | 11th        | 56.0 | 4.8                              | 10.1          | 1.4           |
| November . . .    | 50.5  | 12th     | 64.3 | 6th         | 42.4 | 7.4                              | 9.9           | 4.9           | 52.7  | 2nd      | 66.5 | 17th        | 42.7 | 8.7                              | 11.9          | 5.9           |
| December . . .    | 44.6  | 11th     | 64.0 | 8th         | 32.1 | 7.3                              | 11.0          | 1.8           | 42.7  | 11th     | 62.7 | 20th        | 33.4 | 10.3                             | 13.2          | 5.0           |
| Year . . .        | 60.4  | ...      | 83.7 | ...         | 27.0 | 6.5                              | 15.3          | 1.1           | 60.9  | ...      | 82.1 | ...         | 31.9 | 7.3                              | 17.3          | 0.9           |
| Means of extremes | ...   | ...      | 70.9 | ...         | 50.7 | ...                              | 10.6          | 3.2           | ...   | ...      | 70.0 | ...         | 51.6 | ...                              | 10.9          | 4.2           |

\* On a woollen pad 4½ inches above ground.

† On a woollen pad 3 inches above ground.

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

## 56. SIRONCHA (corrected).\*

## 57. CHIKALDA (corrected).†

| MONTH.            | Mean.                           | MAXIMUM.    |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.    |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|---------------------------------|-------------|------|-------------|------|----------------------------------|---------------|---------------|-------|-------------|------|----------|------|----------------------------------|---------------|---------------|
|                   |                                 | Day.        | o    | Day.        | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.        | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 49°0                            | 25th        | 60°9 | 6th         | 38°5 | 10°0                             | 13°6          | 7°1           | 41°2  | 19th        | 52°2 | 1st      | 32°0 | 13°6                             | 21°0          | 5°5           |
| February . . .    | 53°7                            | 26th        | 60°0 | 5th         | 36°0 | 10°5                             | 15°3          | 4°6           | 45°9  | 28th        | 54°9 | 5th      | 29°2 | 13°5                             | 20°1          | 8°3           |
| March . . .       | 62°6                            | 28th        | 70°7 | 14th        | 50°8 | 10°5                             | 14°2          | 6°0           | 52°3  | 21st        | 60°3 | 11th     | 42°4 | 13°1                             | 22°3          | 6°2           |
| April . . .       | 67°7                            | 17th        | 79°5 | 6th         | 51°4 | 12°1                             | 15°5          | 8°2           | 57°7  | 28th & 29th | 66°0 | 4th      | 43°6 | 15°0                             | 24°4          | 6°4           |
| May . . .         | 77°1                            | 28th        | 84°0 | 5th & 10th  | 67°7 | 6°9                              | 12°4          | 2°7           | 65°8  | 28th        | 73°9 | 19th     | 60°4 | 9°2                              | 13°8          | 1°7           |
| June . . .        | 74°8                            | 18th        | 79°2 | 5th         | 70°7 | 4°1                              | 8°6           | 1°5           | 66°0  | 22nd        | 69°0 | 7th      | 62°6 | 1°9                              | 7°3           | —0°4          |
| July . . .        | 72°9                            | 1st         | 76°1 | 24th        | 69°9 | 3°1                              | 6°2           | 1°5           | 65°2  | 3rd & 9th   | 67°0 | 11th     | 61°8 | 0°7                              | 3°1           | —0°2          |
| August . . .      | 73°0                            | 28th & 30th | 74°3 | 29th        | 70°6 | 3°9                              | 6°7           | 1°8           | 64°2  | 19th        | 68°0 | 10th     | 59°1 | 1°3                              | 6°9           | —0°2          |
| September . . .   | 70°6                            | 7th & 15th  | 74°2 | 28th        | 66°7 | 6°0                              | 9°3           | 2°2           | 62°6  | 4th         | 68°2 | 21st     | 55°7 | 3°0                              | 10°2          | —0°2          |
| October . . .     | 72°3                            | 9th         | 74°9 | 31st        | 68°7 | 3°5                              | 5°4           | 1°6           | 61°7  | 4th         | 68°0 | 12th     | 52°9 | 4°0                              | 41°6          | —0°1          |
| November . . .    | 61°4†                           | 10th        | 70°7 | 16th & 17th | 50°8 | 6°4†                             | 9°3           | 2°4           | 49°1  | 11th        | 61°1 | 30th     | 40°8 | 11°7                             | 20°5          | 2°2           |
| December . . .    | Observatory temporarily closed. |             |      |             |      |                                  |               |               | 43°8  | 11th        | 60°6 | 7th      | 32°0 | 12°8                             | 23°5          | —0°1          |
| Year . . .        | ...                             | ...         | ...  | ...         | ...  | ...                              | ...           | ...           | 56°3  | ...         | 73°9 | ...      | 29°2 | 8°3                              | 24°4          | —0°4          |
| Means of extremes | ...                             | ...         | ...  | ...         | ...  | ...                              | ...           | ...           | ...   | ...         | 64°1 | ...      | ...  | ...                              | 15°4          | 2°4           |

\* On a woollen pad 6 inches above ground.  
† Mean of 20 days.

‡ On a woollen pad 3 inches above ground.

## 58. BULDANA (corrected).\*

## 59. AKOLA (corrected).†

| MONTH.            | Mean. | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM. |      | MINIMUM.   |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|----------|------|----------|------|----------------------------------|---------------|---------------|-------|----------|------|------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.     | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o    | Day.       | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 44°2  | 19th     | 55°0 | 11th     | 34°8 | 13°1                             | 20°4          | 4°8           | 41°2  | 31st     | 53°5 | 1st        | 32°6 | 10°8                             | 15°8          | 7°2           |
| February . . .    | 47°5  | 28th     | 58°5 | 4th      | 27°4 | 14°2                             | 21°9          | 5°9           | 44°3  | 15th     | 52°1 | 6th        | 29°8 | 11°5                             | 17°1          | 3°6           |
| March . . .       | 57°2  | 31st     | 69°8 | 11th     | 45°2 | 11°8                             | 20°6          | 5°6           | 53°2  | 21st     | 68°4 | 11th       | 41°8 | 12°2                             | 16°0          | 6°8           |
| April . . .       | 64°3† | 30th     | 74°9 | 5th      | 43°4 | 12°6†                            | 27°2          | 5°7           | 57°1  | 29th     | 69°9 | 5th        | 41°5 | 14°3                             | 18°0          | 12°0          |
| May . . .         | 73°5† | 28th     | 79°3 | 9th      | 64°1 | 5°9†                             | 10°7          | 2°2           | 73°5  | 28th     | 83°0 | 21st       | 59°6 | 8°9                              | 21°6          | 2°7           |
| June . . .        | 69°9† | 14th     | 72°3 | 10th     | 66°1 | 2°9†                             | 7°5           | 0°3           | 73°3  | 13th     | 78°0 | 30th       | 70°0 | 2°8                              | 7°4           | —0°1          |
| July . . .        | 68°1  | 11th     | 71°6 | 28th     | 62°2 | 2°4                              | 5°4           | 0°7           | 71°8  | 9th      | 75°8 | 28th       | 66°2 | 2°1                              | 5°5           | 0°3           |
| August . . .      | 67°0§ | 14th     | 71°3 | 6th      | 62°1 | 3°3§                             | 6°8           | 1°1           | 70°0  | 9th      | 75°1 | 2nd & 23rd | 66°2 | 3°5                              | 5°9           | —0°1          |
| September . . .   | 65°5  | 2nd      | 70°0 | 25th     | 59°6 | 5°3                              | 13°5          | 0°7           | 66°6  | 30th     | 71°0 | 29th       | 55°4 | 5°6                              | 11°0          | 1°6           |
| October . . .     | 64°0  | 2nd      | 69°9 | 12th     | 52°9 | 6°3                              | 14°7          | 1°0           | 66°5  | 1st      | 71°8 | 12th       | 53°2 | 4°9                              | 11°0          | 2°3           |
| November . . .    | 50°1  | 11th     | 63°1 | 30th     | 41°9 | 14°4                             | 20°8          | 6°2           | 49°9  | 11th     | 66°5 | 22nd       | 38°1 | 9°5                              | 15°8          | 4°4           |
| December . . .    | 44°2  | 11th     | 63°9 | 7th      | 34°1 | 15°1                             | 24°1          | 0°9           | 42°9  | 11th     | 66°7 | 6th        | 31°5 | 9°5                              | 13°2          | 1°1           |
| Year . . .        | 59°6  | ...      | 79°3 | ...      | 27°4 | 8°9                              | 27°2          | 0°3           | 59°2  | ...      | 83°0 | ...        | 29°8 | 8°0                              | 21°6          | —0°1          |
| Means of extremes | ...   | ...      | 68°3 | ...      | 49°5 | ...                              | 16°1          | 2°9           | ...   | ...      | 69°3 | ...        | 48°8 | ...                              | 13°2          | 3°5           |

\* On a woollen pad 2½ inches above ground.  
† Mean of 29 days.  
‡ " " 30 "

§ Mean of 27 days.  
|| " " 28 "

¶ On a woollen pad 2½ inches above ground.

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

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60. AMRAOTI (corrected).\*

61. NEEMUCH (corrected).†

| MONTH.            | Mean. | MAXIMUM.  |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |           |           | Mean. | MAXIMUM.    |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |           |           |
|-------------------|-------|-----------|------|----------|------|----------------------------------|-----------|-----------|-------|-------------|------|----------|------|----------------------------------|-----------|-----------|
|                   |       | Day.      | °    | Day.     | °    | Mean.                            | Maxi-mum. | Mini-mum. |       | Day.        | °    | Day.     | °    | Mean.                            | Maxi-mum. | Mini-mum. |
| January . . .     | 48.0  | 22nd      | 57.4 | 1st      | 36.8 | 7.9                              | 13.7      | 2.9       | 38.6  | 19th        | 56.0 | 28th     | 23.9 | 10.5                             | 14.8      | 1.8       |
| February . . .    | 50.2  | 23rd      | 64.8 | 3rd      | 30.9 | 10.0                             | 18.9      | 4.0       | 37.5§ | 28th        | 57.9 | 4th      | 23.8 | 11.5§                            | 14.6      | 7.4       |
| March . . .       | 58.5  | 19th      | 67.7 | 10th     | 47.1 | 9.5                              | 15.3      | 3.3       | 51.0  | 30th        | 60.9 | 10th     | 40.6 | 10.4                             | 14.7      | 6.2       |
| April . . .       | 61.3  | 29th      | 74.6 | 5th      | 49.1 | 12.8                             | 21.5      | 6.3       | 59.4  | 28th & 30th | 70.6 | 1st      | 38.2 | 10.5                             | 17.4      | 6.5       |
| May . . .         | 73.3† | 28th      | 81.6 | 9th      | 66.7 | 8.0†                             | 12.5      | 0         | 72.5  | 28th        | 81.8 | 8th      | 63.3 | 6.6                              | 11.1      | 1.7       |
| June . . .        | 72.1  | 6th       | 75.0 | 18th     | 67.9 | 2.6                              | 9.8       | -0.9      | 72.7  | 11th        | 78.9 | 7th      | 62.0 | 3.7                              | 9.1       | 0.8       |
| July . . .        | 70.7  | 2nd       | 74.1 | 27th     | 67.8 | 2.3                              | 5.0       | 0         | 71.2  | 1st         | 74.8 | 14th     | 68.8 | 2.3                              | 3.9       | 1.0       |
| August . . .      | 69.9  | 19th      | 73.7 | 8th      | 65.1 | 2.8                              | 7.1       | 0.1       | 65.1  | 19th        | 72.9 | 26th     | 66.9 | 2.7                              | 6.2       | 0.9       |
| September . . .   | 64.7  | 3rd & 4th | 72.2 | 22nd     | 57.0 | 6.5                              | 13.6      | -0.4      | 63.2  | 3rd         | 71.6 | 28th     | 56.9 | 5.8                              | 10.3      | 0.8       |
| October . . .     | 66.3  | 21st      | 72.2 | 12th     | 52.1 | 4.8                              | 12.6      | 0.8       | 60.3  | 24th        | 68.8 | 31st     | 51.2 | 7.0                              | 14.0      | 2.9       |
| November . . .    | 52.8  | 3rd       | 63.9 | 16th     | 44.1 | 9.5                              | 19.7      | 3.2       | 47.8  | 18th        | 56.0 | 29th     | 42.1 | 9.6                              | 12.1      | 6.7       |
| December . . .    | 46.7  | 11th      | 63.4 | 8th      | 36.8 | 10.7                             | 17.6      | 2.9       | 39.3¶ | 11th        | 56.1 | 30th     | 30.6 | 11.3¶                            | 17.5      | 4.6       |
| Year . . .        | 61.2  | ...       | 81.6 | ...      | 30.9 | 7.3                              | 21.5      | -0.9      | 56.6  | ...         | 81.8 | ...      | 23.8 | 7.7                              | 17.5      | 0.8       |
| Means of extremes | ...   | ...       | 70.1 | ...      | 51.8 | ...                              | 13.9      | 1.9       | ...   | ...         | 67.2 | ...      | 47.4 | ...                              | 12.1      | 3.4       |

\* On a woollen pad 1.7 inches above ground.

† Mean of 29 days.

‡ On a woollen pad 2.5 inches above ground.

§ Mean of 24 days.

|| Mean of 26 days.

¶ Mean of 27 days.

62. NOWGONG (corrected).\*

63. SUTNA (corrected).||

| MONTH.            | Mean. | MAXIMUM.                |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |           |           | Mean.  | MAXIMUM. |      | MINIMUM.         |      | DIFFERENCE, SHADE AND RADIATION. |           |           |
|-------------------|-------|-------------------------|------|-------------|------|----------------------------------|-----------|-----------|--------|----------|------|------------------|------|----------------------------------|-----------|-----------|
|                   |       | Day.                    | °    | Day.        | °    | Mean.                            | Maxi-mum. | Mini-mum. |        | Day.     | °    | Day.             | °    | Mean.                            | Maxi-mum. | Mini-mum. |
| January . . .     | 38.7  | 20th                    | 54.5 | 29th & 30th | 25.5 | 10.0                             | 14.1      | 6.0       | 41.4   | 23rd     | 55.7 | 29th             | 30.5 | 6.6                              | 9.7       | 2.0       |
| February . . .    | 35.2  | 28th                    | 53.3 | 4th         | 23.5 | 12.4                             | 15.5      | 8.5       | 40.2   | 28th     | 52.7 | 5th              | 28.5 | 8.7                              | 12.2      | 6.6       |
| March . . .       | 50.2† | 22nd                    | 66.5 | 5th         | 40.6 | 11.9†                            | 15.3      | 1.0       | 53.5   | 31st     | 65.3 | 5th              | 45.1 | 7.5                              | 10.6      | 3.3       |
| April . . .       | 54.8  | 30th                    | 67.6 | 4th         | 39.9 | 13.5                             | 17.0      | 10.1      | 59.6¶  | 30th     | 73.3 | 2nd to 5th       | 48.2 | 8.5¶                             | 11.0      | 5.8       |
| May . . .         | 66.8‡ | 26th                    | 79.6 | 19th        | 58.3 | 10.0‡                            | 16.7      | 1.0       | 72.3** | 29th     | 83.1 | 19th             | 61.3 | 5.4**                            | 8.7       | 0.4       |
| June . . .        | 73.8  | 6th, 12th, 18th & 24th. | 76.6 | 8th         | 65.5 | 6.7                              | 16.8      | 0         | 77.3   | 14th     | 86.6 | 8th              | 70.6 | 3.0                              | 9.9       | 0         |
| July . . .        | 75.0§ | 20th                    | 77.5 | 10th        | 70.9 | 2.9§                             | 6.8       | 0.3       | 75.1   | 14th     | 78.2 | 9th              | 68.9 | 1.0                              | 3.4       | 0         |
| August . . .      | 73.5  | 20th                    | 76.6 | 22nd        | 69.6 | 3.5                              | 7.5       | 0.3       | 74.3†† | 20th     | 77.3 | 10th             | 70.9 | 1.6††                            | 4.7       | 0         |
| September . . .   | 67.5  | 3rd                     | 75.6 | 24th        | 59.8 | 6.4                              | 9.6       | 2.0       | 70.5   | 1st      | 75.8 | 26th             | 64.1 | 2.4                              | 5.3       | -0.1      |
| October . . .     | 65.3§ | 4th                     | 72.1 | 31st        | 56.5 | 5.8§                             | 8.7       | 1.5       | 68.2   | 2nd      | 74.3 | 13th             | 60.3 | 3.4                              | 8.5       | 0         |
| November . . .    | 44.5‡ | 19th                    | 51.5 | 21st & 22nd | 37.0 | 10.5‡                            | 13.8      | 3.5       | 48.9   | 25th     | 56.2 | 30th             | 41.6 | 8.0                              | 9.9       | 5.2       |
| December . . .    | 39.9  | 11th                    | 61.5 | 31st        | 29.0 | 9.8‡                             | 13.5      | 1.0       | 41.0   | 12th     | 54.7 | 2nd, 3rd & 31st. | 35.0 | 8.9                              | 10.6      | 4.7       |
| Year . . .        | 57.1  | ...                     | 79.6 | ...         | 23.5 | 8.6                              | 17.0      | 0         | 60.2   | ...      | 86.6 | ...              | 28.5 | 5.4                              | 12.2      | -0.1      |
| Means of extremes | ...   | ...                     | 67.7 | ...         | 48.0 | ...                              | 12.9      | 2.9       | ...    | ...      | 69.4 | ...              | 52.1 | ...                              | 8.7       | 2.3       |

\* On a woollen pad 1½ inches above ground.

† Mean of 28 days.

‡ Mean of 29 days.

§ " " 30 "

|| On a woollen pad 3 inches above ground.

¶ Mean of 29 days.

\*\* Mean of 30 days.

†† " " 27 "

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

## 64. INDORE (corrected).\*

## 65. BICKANEER (corrected).†

| MONTH.            | Mean. | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.    |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|----------|------|----------|------|----------------------------------|---------------|---------------|-------|-------------|------|----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.     | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.        | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 39°0  | 17th     | 57°2 | 29th     | 28°6 | 11°0                             | 14°4          | 7°2           | 42°2  | 22nd        | 50°4 | 5th      | 32°5 | 14°0                             | 21°8          | 8°8           |
| February . . .    | 39°1  | 28th     | 60°4 | 3rd      | 21°4 | 10°4                             | 17°2          | 5°5           | 40°1  | 28th        | 58°5 | 19th     | 29°5 | 16°1                             | 22°3          | 8°1           |
| March . . .       | 51°8  | 30th     | 61°3 | 10th     | 40°8 | 9°5                              | 12°9          | 5°7           | 54°2  | 29th        | 63°3 | 1st      | 43°8 | 13°5                             | 21°1          | 7°6           |
| April . . .       | 56°4  | 30th     | 75°3 | 4th      | 40°0 | 10°5                             | 14°5          | 6°6           | 65°0  | 10th        | 70°0 | 1st      | 46°2 | 13°2                             | 21°4          | 9°8           |
| May . . .         | 70°8  | 26th     | 81°9 | 2nd      | 61°8 | 6°4                              | 14°6          | 2°0           | 73°0  | 20th        | 85°2 | 9th      | 64°9 | 11°3                             | 20°0          | 0°8           |
| June . . .        | 69°7  | 23rd     | 72°8 | 7th      | 63°3 | 3°1                              | 8°4           | 0°3           | 79°2  | 11th        | 86°9 | 3rd      | 68°1 | 4°9                              | 13°2          | 1°5           |
| July . . .        | 70°1  | 1st      | 72°9 | 28th     | 67°3 | 1°5                              | 2°6           | 0°6           | 78°9  | 2nd         | 85°0 | 5th      | 72°1 | 3°6                              | 7°6           | -0°3          |
| August . . .      | 68°5  | 20th     | 71°5 | 12th     | 63°8 | 2°7                              | 7°2           | 1°0           | 76°8  | 20th        | 83°4 | 6th      | 72°1 | 3°5                              | 6°9           | 0°1           |
| September . . .   | 62°5  | 4th      | 70°2 | 29th     | 54°9 | 6°2                              | 11°2          | 2°1           | 73°9  | 2nd         | 84°2 | 29th     | 67°7 | 4°7                              | 8°3           | 0°5           |
| October . . .     | 61°5  | 2nd      | 68°2 | 31st     | 48°8 | 6°4                              | 11°3          | 2°8           | 63°9  | 3rd         | 74°7 | 31st     | 51°2 | 10°8                             | 19°9          | 3°2           |
| November . . .    | 44°7  | 19th     | 52°0 | 23rd     | 35°7 | 11°7                             | 14°8          | 8°3           | 48°6  | 17th & 19th | 58°3 | 30th     | 36°9 | 16°3                             | 20°3          | 5°8           |
| December . . .    | 38°8  | 11th     | 61°3 | 8th      | 29°4 | 12°1                             | 16°0          | 2°3           | 40°1  | 9th & 10th  | 48°8 | 31st     | 30°5 | 15°9                             | 22°5          | 9°0           |
| Year . . .        | 56°1  | ...      | 81°9 | ...      | 21°4 | 7°6                              | 17°2          | 0°3           | 61°3  | ...         | 86°9 | ...      | 29°5 | 10°7                             | 22°5          | -0°3          |
| Means of extremes | ...   | ...      | 67°1 | ...      | 46°3 | ...                              | 12°1          | 3°7           | ...   | ...         | 70°7 | ...      | 51°3 | ...                              | 17°1          | 4°6           |

\* On a woollen pad 2½ inches above ground.

† On a woollen pad 4 inches above ground.

## 66. JEYPORE (corrected).\*

## 67. SAMBHAR (corrected).†

| MONTH.            | Mean. | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.     |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|----------|------|----------|------|----------------------------------|---------------|---------------|-------|--------------|------|----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.     | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.         | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 41°2  | 19th     | 56°1 | 28th     | 26°0 | 8°9                              | 14°0          | 3°6           | 39°0  | 19th         | 56°9 | 29th     | 27°4 | 8°7                              | 15°3          | 2°9           |
| February . . .    | 38°4  | 27th     | 54°3 | 3rd      | 25°8 | 10°1                             | 12°5          | 6°8           | 36°8  | 27th         | 60°8 | 4th      | 21°2 | 9°1                              | 14°2          | 3°9           |
| March . . .       | 52°4  | 22nd     | 61°4 | 10th     | 42°6 | 9°0                              | 12°0          | 2°2           | 51°1  | 30th         | 68°2 | 8th      | 33°2 | 8°2                              | 23°3          | 3°5           |
| April . . .       | 58°8  | 28th     | 70°4 | 3rd      | 40°3 | 10°2                             | 13°8          | 6°9           | 59°9  | 28th         | 73°9 | 3rd      | 39°9 | 7°3                              | 12°1          | 3°4           |
| May . . .         | 71°4  | 16th     | 81°9 | 18th     | 60°3 | 6°6                              | 10°7          | 1°5           | 71°3  | 29th         | 86°5 | 9th      | 60°8 | 5°7                              | 10°0          | 0°2           |
| June . . .        | 74°7  | 12th     | 84°9 | 7th      | 60°9 | 4°7                              | 8°9           | 2°5           | 75°8  | 12th to 14th | 83°9 | 7th      | 65°6 | 4°2                              | 8°7           | 0°2           |
| July . . .        | 74°8  | 1st      | 79°7 | 27th     | 71°1 | 2°4                              | 4°6           | 0°2           | 74°8  | 1st          | 80°3 | 14th     | 70°2 | 3°1                              | 10°0          | 1°2           |
| August . . .      | 72°0  | 16th     | 76°9 | 10th     | 67°0 | 3°1                              | 5°5           | 0°5           | 71°6  | 15th         | 75°8 | 8th      | 67°0 | 4°0                              | 10°9          | 0°5           |
| September . . .   | 64°6  | 1st      | 74°0 | 28th     | 58°2 | 6°7                              | 10°8          | 1°4           | 68°9  | 4th          | 74°8 | 30th     | 61°6 | 4°7                              | 8°8           | 1°2           |
| October . . .     | 61°0  | 2nd      | 73°9 | 31st     | 45°9 | 7°8                              | 12°5          | 4°0           | 61°6† | 2nd          | 71°7 | 31st     | 47°1 | 5°4†                             | 10°9          | 2°3           |
| November . . .    | 45°8  | 18th     | 55°1 | 30th     | 35°1 | 10°6                             | 12°6          | 6°5           | 44°4  | 17th         | 54°9 | 30th     | 31°5 | 9°2                              | 14°4          | 4°8           |
| December . . .    | 38°5  | 11th     | 58°2 | 30th     | 23°5 | 10°6                             | 15°7          | 3°4           | 37°3  | 23rd         | 55°7 | 31st     | 25°9 | 8°5                              | 13°0          | 2°8           |
| Year . . .        | 57°8  | ...      | 84°9 | ...      | 23°5 | 7°6                              | 15°7          | 0°2           | 57°7  | ...          | 86°5 | ...      | 21°2 | 6°5                              | 23°3          | 0°2           |
| Means of extremes | ...   | ...      | 68°9 | ...      | 46°4 | ...                              | 11°1          | 3°3           | ...   | ...          | 70°3 | ...      | 46°0 | ...                              | 12°6          | 2°2           |

\* On a woollen pad 1 inch above ground.

† On a woollen pad 2 inches above ground. ‡ Mean of 30 days.

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

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## 68. AJMERE (corrected).\*

## 69. MOUNT ABU (corrected).†

| MONTH.            | Mean. | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean.  | MAXIMUM.    |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|----------|------|----------|------|----------------------------------|---------------|---------------|--------|-------------|------|----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.     | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |        | Day.        | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 35.7  | 19th     | 54.2 | 29th     | 22.7 | 9.9†                             | 13.2          | 2.7           | 37.7   | 18th        | 55.3 | 28th     | 25.1 | 12.9§                            | 17.5          | 2.8           |
| February . . .    | 35.2  | 27th     | 61.7 | 4th      | 19.7 | 11.5                             | 15.2          | 4.1           | 37.9   | 25th        | 49.2 | 2nd      | 24.1 | 14.9                             | 20.0          | 10.2          |
| March . . .       | 49.1  | 30th     | 67.7 | 10th     | 40.2 | 11.1                             | 15.1          | 6.1           | 49.8   | 30th        | 59.8 | 10th     | 40.2 | 11.3§                            | 18.2          | 2.3           |
| April . . .       | 58.6  | 28th     | 75.7 | 3rd      | 38.7 | 11.0                             | 18.6          | 4.1           | 61.1   | 26th        | 72.7 | 3rd      | 40.7 | 8.5¶                             | 16.0          | 3.6           |
| May . . .         | 72.3  | 16th     | 86.7 | 9th      | 59.7 | 7.0                              | 12.6          | 1.6           | 67.0   | 27th        | 78.3 | 8th      | 59.6 | 6.4§                             | 16.9          | 0.7           |
| June . . .        | 76.2  | 15th     | 83.7 | 7th      | 60.7 | 3.4                              | 10.1          | 0.6           | 66.4   | 11th        | 69.6 | 7th      | 62.3 | 2.6                              | 7.9           | 0.2           |
| July . . .        | 74.9† | 1st      | 80.7 | 26th     | 72.2 | 2.0†                             | 10.1          | 0.1           | 65.2   | 13th & 16th | 67.2 | 27th     | 62.8 | 0.9                              | 4.4           | -0.3          |
| August . . .      | 73.2  | 15th     | 78.8 | 8th      | 70.8 | 1.4                              | 5.0           | 0             | 63.1   | 22nd        | 66.4 | 13th     | 58.2 | 0.9¶                             | 6.0           | -0.1          |
| September . . .   | 69.8  | 4th      | 75.3 | 30th     | 57.8 | 4.5                              | 8.8           | 1.1           | 56.9   | 4th         | 66.2 | 28th     | 46.3 | 6.7                              | 17.7          | 0.2           |
| October . . .     | 62.0  | 3rd      | 74.3 | 31st     | 43.9 | 6.8                              | 11.3          | 1.8           | 52.8   | 2nd         | 64.2 | 31st     | 41.2 | 13.6                             | 20.5          | 4.8           |
| November . . .    | 44.1  | 17th     | 54.9 | 30th     | 34.0 | 9.7                              | 12.9          | 5.4           | 41.8** | 16th        | 49.3 | 30th     | 32.1 | 18.4**                           | 22.7          | 13.4          |
| December . . .    | 35.7  | 11th     | 48.9 | 29th     | 22.5 | 10.7                             | 16.2          | 7.4           | 33.4   | 12th        | 40.4 | 28th     | 23.3 | 19.9                             | 25.0          | 14.5          |
| Year . . .        | 57.2  | ...      | 86.7 | ...      | 19.7 | 7.4                              | 18.6          | 0             | 52.8   | ...         | 78.3 | ...      | 23.3 | 9.8                              | 25.0          | -0.3          |
| Means of extremes | ...   | ...      | 70.2 | ...      | 45.2 | ...                              | 12.4          | 2.9           | ...    | ...         | 61.6 | ...      | 43.0 | ...                              | 16.1          | 4.4           |

\* On a woollen pad 2½ inches above ground.  
† Mean of 30 days.† On a woollen pad 4 inches above ground.  
§ Mean of 30 days.  
|| " " 27 "¶ Mean of 29 days.  
\*\* " " 28 "

## 70. PACHPADRA (corrected).\*

## 71. JACOBABAD (corrected).§

| MONTH.            | Mean. | MAXIMUM.   |      | MINIMUM.          |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM. |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|------------|------|-------------------|------|----------------------------------|---------------|---------------|-------|----------|------|-------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.       | o    | Day.              | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o    | Day.        | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 38.9  | 18th       | 54.8 | 5th, 27th & 28th. | 29.7 | 6.6                              | 11.0          | 2.1           | 37.1  | 17th     | 51.5 | 27th        | 24.4 | 8.1                              | 11.8          | 3.6           |
| February . . .    | 38.7  | 28th       | 60.7 | 2nd               | 20.7 | 6.5                              | 9.3           | 4.0           | 35.4  | 27th     | 55.3 | 2nd         | 19.5 | 9.2                              | 13.4          | 3.9           |
| March . . .       | 54.7  | 30th       | 68.2 | 20th              | 45.8 | 5.4                              | 9.5           | 3.0           | 50.2  | 16th     | 65.6 | 31st        | 38.8 | 8.1                              | 11.6          | 2.8           |
| April . . .       | 61.2  | 30th       | 70.8 | 3rd               | 43.6 | 8.5                              | 17.9          | 3.7           | 57.8  | 22nd     | 70.4 | 1st & 2nd   | 39.8 | 9.8                              | 15.2          | 5.7           |
| May . . .         | 75.1  | 15th       | 83.6 | 9th               | 64.5 | 6.3                              | 19.0          | 1.8           | 70.6  | 31st     | 83.6 | 9th         | 59.7 | 9.4                              | 18.5          | 1.2           |
| June . . .        | 76.7  | 15th       | 80.2 | 21st              | 71.9 | 3.7                              | 7.9           | 0             | 80.7  | 20th     | 89.5 | 4th         | 66.0 | 4.1                              | 11.1          | -0.2          |
| July . . .        | 76.1  | 20th       | 79.3 | 5th               | 71.9 | 2.6                              | 8.3           | 1.2           | 82.2  | 3rd      | 88.4 | 17th        | 76.3 | 2.4                              | 5.0           | 0.8           |
| August . . .      | 72.9† | 2nd        | 76.3 | 11th & 12th       | 69.4 | 3.1†                             | 7.2           | 0.1           | 78.0  | 21st     | 83.4 | 31st        | 73.6 | 3.2                              | 6.2           | 1.2           |
| September . . .   | 65.6  | 4th        | 76.4 | 29th              | 57.9 | 5.3                              | 9.5           | 1.6           | 70.4  | 4th      | 81.3 | 21st        | 62.4 | 5.3                              | 16.9          | 2.5           |
| October . . .     | 62.5  | 3rd        | 72.2 | 31st              | 48.2 | 7.3                              | 10.3          | 3.9           | 54.8  | 8th      | 70.3 | 25th        | 42.8 | 8.7                              | 12.5          | 4.0           |
| November . . .    | *     | Imperfect. |      |                   |      |                                  |               |               | 44.2  | 16th     | 55.7 | 28th        | 34.3 | 8.5                              | 11.2          | 4.5           |
| December . . .    | 38.3† | 9th        | 50.8 | 29th              | 26.1 | 5.9†                             | 8.7           | 1.4           | 34.4  | 22nd     | 49.4 | 28th & 29th | 22.2 | 9.5                              | 13.4          | 6.6           |
| Year . . .        | ...   | ...        | ...  | ...               | ...  | ...                              | ...           | ...           | 58.0  | ...      | 89.5 | ...         | 19.5 | 7.2                              | 18.5          | -0.2          |
| Means of extremes | ...   | ...        | ...  | ...               | ...  | ...                              | ...           | ...           | ...   | ...      | 70.4 | ...         | 46.7 | ...                              | 37.2          | 3.1           |

\* On a woollen pad 3 inches above ground.  
† Mean of 30 days.

† Mean of 24 days.

§ On a woollen pad 2½ inches above ground.

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

## 72. HYDERABAD (corrected).\*

## 73. KURRACHEE (corrected).||

| MONTH.            | Mean. | MAXIMUM.   |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM. |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|------------|------|----------|------|----------------------------------|---------------|---------------|-------|----------|------|-------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.       | °    | Day.     | °    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | °    | Day.        | °    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January           |       | Imperfect. |      |          |      |                                  |               |               | 45.5  | 10th     | 57.3 | 26th        | 33.8 | 10.2                             | 15.1          | 4.8           |
| February          | 43.6  | 28th       | 64.4 | 2nd      | 23.4 | 8.7                              | 19.5          | 2.8           | 44.0  | 27th     | 63.2 | 2nd         | 25.8 | 11.3                             | 19.5          | 5.7           |
| March             | 59.0  | 16th       | 67.8 | 19th     | 46.2 | 5.4                              | 11.6          | 2.2           | 56.6  | 30th     | 67.8 | 20th        | 46.0 | 8.9                              | 16.3          | 3.7           |
| April             | 67.0  | 30th       | 75.3 | 1st      | 50.5 | 4.5                              | 16.5          | 2.1           | 63.2  | 30th     | 71.8 | 1st         | 47.2 | 8.4                              | 15.1          | 3.1           |
| May               | 77.7  | 26th       | 86.2 | 8th      | 66.6 | 3.2                              | 10.4          | 0.6           | 75.4  | 31st     | 82.1 | 5th         | 69.2 | 4.7                              | 7.6           | 1.6           |
| June              | 80.1  | 19th       | 84.6 | 28th     | 72.7 | 1.6                              | 3.2           | 0.1           | 80.5  | 25th     | 82.6 | 3rd         | 77.7 | 2.8                              | 4.6           | 1.3           |
| July              | 79.5  | 4th        | 82.5 | 24th     | 74.9 | 1.2                              | 3.5           | -0.1          | 78.8  | 11th     | 82.6 | 25th & 29th | 75.7 | 2.2                              | 5.4           | 1.0           |
| August            | 77.4  | 21st       | 80.1 | 31st     | 75.1 | 1.1†                             | 2.1           | 0.3           | 75.9  | 18th     | 79.5 | 12th        | 71.2 | 2.4                              | 6.4           | 0.4           |
| September         | 74.9‡ | 5th        | 78.7 | 20th     | 69.8 | 1.7‡                             | 3.8           | 1.1           | 73.4  | 4th      | 77.2 | 15th        | 66.7 | 3.0                              | 7.3           | 0.1           |
| October           |       | Imperfect. |      |          |      |                                  |               |               | 65.2  | 7th      | 72.8 | 27th        | 52.8 | 7.2                              | 11.6          | 2.0           |
| November          | 54.9§ | 15th       | 65.3 | 12th     | 49.1 | 5.6§                             | 14.5          | 0.1           | 56.8  | 16th     | 69.8 | 30th        | 46.0 | 7.5                              | 11.0          | 2.7           |
| December          |       | Imperfect. |      |          |      |                                  |               |               | 47.3  | 3rd      | 58.7 | 28th        | 33.0 | 7.5                              | 12.3          | 2.5           |
| Year              | ...   | ...        | ...  | ...      | ...  | ...                              | ...           | ...           | 63.6  | ...      | 82.6 | ...         | 25.8 | 6.3                              | 19.5          | 0.1           |
| Means of extremes | ...   | ...        | ...  | ...      | ...  | ...                              | ...           | ...           | ...   | ...      | 72.1 | ...         | 53.8 | ...                              | 11.0          | 2.4           |

\* On a woollen pad 3 inches above ground.  
† Mean of 30 days.‡ Mean of 20 days.  
§ " " 22 "

|| On a woollen pad 2.5 inches above ground.

## 74. BHUJ (corrected).\*

## 75. RAJKOT (corrected).\*

| MONTH.            | Mean. | MAXIMUM.  |      | MINIMUM.  |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean.          | MAXIMUM.    |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|-----------|------|-----------|------|----------------------------------|---------------|---------------|----------------|-------------|------|----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.      | °    | Day.      | °    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |                | Day.        | °    | Day.     | °    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 45.1† | 19th      | 60.3 | 28th      | 35.5 | 8.5†                             | 12.3          | 4.2           | 43.0           | 19th        | 50.5 | 27th     | 33.3 | 7.0                              | 12.8          | 4.7           |
| February . . .    | 46.8  | 28th      | 61.9 | 2nd       | 32.3 | 8.7                              | 12.7          | 2.7           | 43.7†          | 27th        | 59.8 | 2nd      | 30.3 | 8.3†                             | 14.0          | 2.7           |
| March . . .       | 57.7  | 30th      | 68.5 | 19th      | 45.2 | 7.7                              | 12.2          | 3.4           | Imperfect.     |             |      |          |      |                                  |               |               |
| April . . .       | 62.6  | 29th      | 69.2 | 2nd & 3rd | 51.3 | 7.2                              | 11.8          | 3.3           | Not recorded.  |             |      |          |      |                                  |               |               |
| May . . .         | 74.7  | 27th      | 82.1 | 1st       | 68.2 | 3.7                              | 7.9           | 0.6           | Ditto.         |             |      |          |      |                                  |               |               |
| June . . .        | 78.1  | 22nd      | 83.0 | 7th       | 73.1 | 2.3                              | 5.6           | —0.5          | Ditto.         |             |      |          |      |                                  |               |               |
| July . . .        | 75.4  | 2nd       | 81.1 | 15th      | 70.9 | 2.0                              | 7.1           | 0.2           | 76.0§          | 13th & 26th | 78.6 | 16th     | 73.2 | 2.9§                             | 5.3           | 0.1           |
| August . . .      | 73.0  | 28th      | 75.2 | 12th      | 66.8 | 3.0                              | 7.0           | 0.7           | Untrustworthy. |             |      |          |      |                                  |               |               |
| September . . .   | 67.7  | 3rd & 7th | 74.4 | 29th      | 62.1 | 5.9                              | 8.8           | 0.9           | Ditto.         |             |      |          |      |                                  |               |               |
| October . . .     | 64.0  | 3rd       | 74.3 | 31st      | 50.2 | 9.9                              | 17.0          | 4.9           | 67.1           | 5th         | 73.8 | 31st     | 57.2 | 10.1                             | 17.3          | 3.0           |
| November . . .    | 51.5  | 16th      | 65.9 | 29th      | 37.0 | 13.8                             | 17.3          | 7.7           | 51.2           | 17th        | 65.7 | 29th     | 39.1 | 15.1                             | 28.0          | 2.6           |
| December . . .    | 40.8  | 9th       | 50.8 | 29th      | 28.0 | 14.0                             | 17.9          | 10.7          | 38.5§          | 12th        | 49.2 | 17th     | 28.9 | 14.6§                            | 19.9          | 7.1           |
| Year . . .        | 61.5  | ...       | 83.0 | ...       | 28.0 | 7.2                              | 17.9          | —0.5          | ...            | ...         | ...  | ...      | ...  | ...                              | ...           | ...           |
| Means of extremes | ...   | ...       | 70.6 | ...       | 51.7 | ...                              | 11.5          | 3.2           | ...            | ...         | ...  | ...      | ...  | ...                              | ...           | ...           |

† Mean of 23 days.

\* On a woollen pad 2.5 inches above ground.

‡ Mean of 20 days.  
§ " " 21 "



TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

## 76. DEESA (corrected).\*

## 77. MALEGAON (corrected).†

| MONTH.            | Mean. | MAXIMUM.  |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|-----------|------|----------|------|----------------------------------|---------------|---------------|-------|----------|------|----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.      | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 42°0  | 17th      | 51°0 | 29th     | 31°5 | 9°5                              | 13°1          | 5°9           | 44°6  | 17th     | 56°0 | 27th     | 38°3 | 6°5                              | 9°0           | 3°8           |
| February . . .    | 42°9  | 28th      | 57°0 | 17th     | 26°5 | 10°4                             | 14°8          | 7°5           | 46°1  | 15th     | 56°2 | 2nd      | 28°9 | 7°4                              | 11°0          | 5°4           |
| March . . .       | 55°2  | 22nd      | 62°7 | 10th     | 46°7 | 8°7                              | 12°1          | 0°7           | 54°3  | 17th     | 62°0 | 24th     | 46°3 | 7°7                              | 11°9          | 2°1           |
| April . . .       | 57°7  | 30th      | 69°4 | 3rd      | 43°7 | 11°0                             | 14°7          | 6°5           | 60°2  | 29th     | 72°9 | 5th      | 44°4 | 7°9                              | 14°5          | 4°0           |
| May . . .         | 74°2  | 27th      | 84°3 | 7th      | 63°0 | 6°5                              | 13°0          | 1°4           | 71°5  | 27th     | 80°4 | 6th      | 62°6 | 4°2                              | 9°3           | 0°9           |
| June . . .        | 78°2  | 16th      | 85°4 | 17th     | 73°8 | 2°7                              | 6°3           | 0°2           | 72°1  | 24th     | 74°8 | 9th      | 68°9 | 1°6                              | 4°4           | —0°8          |
| July . . .        | 76°4  | 1st       | 80°9 | 27th     | 73°4 | 0°9                              | 4°7           | —0°2          | 70°2  | 10th     | 73°2 | 28th     | 65°4 | 1°8                              | 4°4           | 0°2           |
| August . . .      | 73°6  | 17th      | 76°1 | 12th     | 67°7 | 1°6                              | 5°5           | —0°2          | 68°4  | 14th     | 71°4 | 9th      | 63°1 | 1°9                              | 4°4           | 0°1           |
| September . . .   | 66°9  | 4th       | 75°7 | 17th     | 60°8 | 5°1                              | 8°0           | 1°0           | 65°3  | 30th     | 71°1 | 14th     | 59°8 | 3°0                              | 5°2           | 0°9           |
| October . . .     | 65°0  | 2nd & 3rd | 73°4 | 31st     | 52°2 | 6°4                              | 11°4          | 3°1           | 66°8  | 2nd      | 73°1 | 13th     | 57°7 | 1°6                              | 7°1           | 0°1           |
| November . . .    | 52°8  | 18th      | 62°5 | 30th     | 43°7 | 8°6                              | 11°5          | 4°3           | 52°7  | 13th     | 63°0 | 8th      | 43°6 | 5°9                              | 10°6          | 3°0           |
| December . . .    | 43°0  | 13th      | 50°9 | 29th     | 35°6 | 9°0                              | 13°0          | 4°6           | 45°9  | 11th     | 62°1 | 6th      | 36°2 | 4°9                              | 8°4           | 1°4           |
| Year . . .        | 60°7  | ...       | 85°4 | ...      | 26°5 | 6°7                              | 14°8          | —0°2          | 59°8  | ...      | 80°4 | ...      | 28°9 | 4°5                              | 14°5          | —0°8          |
| Means of extremes | ...   | ...       | 69°1 | ...      | 51°6 | ...                              | 10°7          | 2°9           | ...   | ...      | 68°0 | ...      | 51°3 | ...                              | 8°4           | 1°8           |

\* On a woollen pad on the ground.

† On a woollen pad 3 inches above ground.

## 78. BOMBAY (corrected).\*

## 79. SHOLAPUR (corrected).†

| MONTH.            | Mean. | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean.         | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|----------|------|----------|------|----------------------------------|---------------|---------------|---------------|----------|------|----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.     | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |               | Day.     | o    | Day.     | o    | Mean.                            | Mini-<br>mum. | Maxi-<br>mum. |
| January . . .     | 57°2  | 17th     | 63°9 | 30th     | 50°1 | 10°5                             | 13°8          | 7°3           | Not recorded. |          |      |          |      |                                  |               |               |
| February . . .    | 56°8  | 16th     | 64°9 | 3rd      | 45°9 | 10°2                             | 13°7          | 4°1           | Ditto.        |          |      |          |      |                                  |               |               |
| March . . .       | 64°0  | 15th     | 68°9 | 10th     | 57°9 | 9°5                              | 16°5          | 5°9           | Ditto.        |          |      |          |      |                                  |               |               |
| April . . .       | 66°9  | 29th     | 72°9 | 5th      | 60°1 | 9°4                              | 13°1          | 7°0           | 66°3          | 25th     | 79°1 | 4th      | 56°0 | 7°7                              | 12°4          | 3°6           |
| May . . .         | 76°0  | 25th     | 81°9 | 3rd      | 68°9 | 5°2                              | 11°1          | 1°4           | 71°5          | 15th     | 75°4 | 17th     | 68°1 | 5°0                              | 12°1          | 0°9           |
| June . . .        | 76°6  | 2nd      | 80°0 | 30th     | 74°1 | 2°8                              | 6°3           | 0°7           | 71°4          | 9th      | 74°8 | 2nd      | 68°7 | 2°0                              | 3°9           | 0             |
| July . . .        | 75°2  | 10th     | 77°2 | 11th     | 72°9 | 2°1                              | 4°6           | 0°7           | 69°4          | 8th      | 72°4 | 28th     | 65°6 | 2°0                              | 3°7           | 1°0           |
| August . . .      | 74°3  | 29th     | 75°9 | 8th      | 71°9 | 2°8                              | 5°8           | 0°4           | 68°2          | 7th      | 72°1 | 2nd      | 63°5 | 1°9                              | 5°3           | 0°5           |
| September . . .   | 73°0  | 26th     | 75°4 | 4th      | 71°2 | 3°8                              | 6°0           | 0°9           | 67°4          | 7th      | 71°4 | 28th     | 61°9 | 3°3                              | 7°9           | 0°4           |
| October . . .     | 72°4  | 10th     | 76°0 | 13th     | 68°8 | 4°4                              | 8°4           | 0°5           | 66°9†         | 2nd      | 71°2 | 12th     | 57°8 | 3°1†                             | 7°2           | 0°2           |
| November . . .    | 67°0  | 16th     | 72°1 | 7th      | 61°0 | 7°7                              | 11°8          | 1°0           | 54°0          | 11th     | 68°9 | 17th     | 39°9 | 8°6                              | 19°9          | 0°8           |
| December . . .    | 58°7  | 1st      | 65°2 | 22nd     | 53°3 | 11°3                             | 14°9          | 5°9           | 50°3          | 12th     | 67°4 | 7th      | 38°9 | 7°2                              | 16°1          | 0°5           |
| Year . . .        | 68°2  | ...      | 81°9 | ...      | 45°9 | 6°6                              | 16°5          | 0°4           | ...           | ...      | ...  | ...      | ...  | ...                              | ...           | ...           |
| Means of extremes | ...   | ...      | 72°9 | ...      | 63°0 | ...                              | 10°5          | 3°0           | ...           | ...      | ...  | ...      | ...  | ...                              | ...           | ...           |

\* On grass, 2 inches above ground.

† On a woollen pad 2 inches above ground.

‡ Mean of 30 days.

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

80. RATNAGIRI (*corrected*).\*81. BELGAUM (*corrected*).†

| MONTH.            | Mean. | MAXIMUM.   |      | MINIMUM.   |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.    |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|------------|------|------------|------|----------------------------------|---------------|---------------|-------|-------------|------|----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.       | °    | Day.       | °    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.        | °    | Day.     | °    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . .       | 57.5  | 16th       | 61.1 | 30th       | 50.1 | 8.1                              | 12.2          | 4.6           | 46.9  | 15th        | 54.5 | 3rd      | 38.6 | 10.0                             | 13.8          | 6.9           |
| February . .      | 57.5  | 24th       | 63.6 | 2nd        | 47.6 | 8.7                              | 14.4          | 3.9           | 48.4  | 27th        | 54.2 | 1st      | 39.5 | 12.0                             | 16.8          | 7.8           |
| March . .         | 64.5  | 16th       | 71.0 | 12th       | 59.9 | 7.5                              | 10.0          | 5.2           | 53.3  | 14th        | 62.1 | 26th     | 42.4 | 10.3                             | 13.4          | 6.7           |
| April . .         | 68.2  | 25th       | 77.8 | 7th        | 60.3 | 7.2                              | 11.8          | 1.1           | 58.2  | 1st         | 67.3 | 6th      | 52.2 | 8.7                              | 14.3          | 2.2           |
| May . .           | 73.1  | 2nd        | 76.3 | 13th       | 67.4 | 6.7                              | 11.6          | 3.6           | 64.3  | 26th        | 69.4 | 13th     | 57.8 | 4.1                              | 9.6           | 1.1           |
| June . .          | 69.6  | 8th        | 73.9 | 14th       | 62.9 | 7.0                              | 14.1          | 2.3           | 66.2  | 19th        | 67.8 | 11th     | 62.9 | 2.3                              | 5.4           | 0.4           |
| July . .          | 72.1  | 9th & 10th | 73.5 | 1st        | 69.9 | 3.4                              | 7.3           | 1.3           | 65.2  | 10th & 12th | 67.0 | 6th      | 62.0 | 1.7                              | 4.2           | 0             |
| August . .        | 71.2  | 3rd        | 72.9 | 17th       | 69.7 | 3.4                              | 4.9           | 1.8           | 64.3  | 13th        | 67.1 | 31st     | 59.0 | 1.8                              | 4.6           | 0.1           |
| September . .     | 70.7  | 3rd        | 73.9 | 17th       | 67.0 | 3.9                              | 5.5           | 2.3           | 62.6  | 5th         | 66.6 | 30th     | 58.4 | 3.0                              | 7.1           | 0.5           |
| October . .       | 70.2  | 12th       | 73.5 | 13th       | 64.4 | 4.4                              | 8.0           | 2.1           | 62.3  | 15th        | 67.5 | 21st     | 55.8 | 3.3                              | 6.6           | -0.1          |
| November . .      | 64.9  | 16th       | 72.7 | 7th        | 55.1 | 6.1                              | 10.1          | 2.0           | 53.7  | 11th        | 63.8 | 19th     | 46.0 | 7.4                              | 11.7          | -0.2          |
| December . .      | 58.3  | 12th       | 70.8 | 7th & 10th | 50.7 | 9.2                              | 15.7          | 4.4           | 49.1  | 11th        | 65.4 | 23rd     | 39.4 | 8.9                              | 14.0          | 0.1           |
| Year . .          | 66.5  | ...        | 77.8 | ...        | 47.6 | 6.3                              | 15.7          | 1.1           | 57.9  | ...         | 69.4 | ...      | 38.6 | 6.1                              | 16.8          | -0.2          |
| Means of extremes | ...   | ...        | 71.8 | ...        | 60.4 | ...                              | 10.5          | 2.9           | ...   | ...         | 64.4 | ...      | 51.2 | ...                              | 10.1          | 2.1           |

† On a woollen pad 3 inches above ground.

† On a woollen pad of country blanket on the ground.

82. KARWAR (*corrected*).\*83. VIZAGAPATAM (*corrected*).

| MONTH.            | Mean. | MAXIMUM.    |      | MINIMUM.   |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.                 |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|-------------|------|------------|------|----------------------------------|---------------|---------------|-------|--------------------------|------|-------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.        | °    | Day.       | °    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.                     | °    | Day.        | °    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . .       | 59.4  | 15th        | 65.3 | 1st        | 53.4 | 6.0                              | 9.6           | 3.1           | 54.9  | 28th                     | 69.1 | 6th         | 48.9 | 14.8                             | 18.5          | 5.2           |
| February . .      | 60.2  | 27th        | 68.1 | 6th        | 53.9 | 5.6                              | 8.1           | 3.1           | 58.9  | 27th & 28th              | 68.9 | 18th        | 53.3 | 15.0                             | 18.9          | 11.6          |
| March . .         | 66.5  | 30th        | 74.3 | 11th       | 57.4 | 5.5                              | 8.5           | 2.2           | 68.8  | 28th                     | 79.1 | 18th        | 60.9 | 11.7                             | 19.1          | 2.9           |
| April . .         | 70.5  | 29th        | 76.8 | 3rd        | 62.8 | 6.0                              | 14.0          | 3.7           | 76.0  | 27th                     | 78.9 | 21st & 24th | 71.7 | 6.9                              | 11.9          | 4.3           |
| May . .           | 74.2  | 14th        | 77.6 | 20th       | 70.7 | 4.4                              | 6.6           | 1.0           | 77.5  | 13th                     | 84.4 | 1st & 7th   | 72.2 | 7.4                              | 10.8          | 2.6           |
| June . .          | 74.0† | 18th & 27th | 76.0 | 16th       | 71.4 | 2.0†                             | 5.1           | 0.6           | 77.4  | 27th                     | 80.9 | 10th        | 73.9 | 7.2                              | 12.3          | 3.9           |
| July . .          | 72.4  | 8th         | 74.6 | 4th        | 70.3 | 1.2                              | 2.6           | -0.3          | 76.0  | 29th                     | 78.9 | 22nd        | 71.9 | 7.0                              | 9.4           | 4.7           |
| August . .        | 71.8  | 13th & 26th | 73.1 | 3rd & 10th | 70.1 | 1.4                              | 3.8           | 0.4           | 76.1  | 8th                      | 79.4 | 3rd & 30th  | 74.1 | 6.9                              | 8.8           | 2.6           |
| September . .     | 72.6  | 26th        | 75.2 | 17th       | 69.6 | 1.7                              | 3.3           | 0.1           | 75.6  | 23rd                     | 78.7 | 12th        | 72.1 | 8.5                              | 11.1          | 6.5           |
| October . .       | 71.2  | 11th        | 74.1 | 22nd       | 68.2 | 1.8                              | 3.5           | 0.3           | 73.7  | 12th, 14th, 20th & 28th. | 75.9 | 26th        | 70.1 | 7.4                              | 10.9          | 4.9           |
| November . .      | 63.5  | 2nd         | 71.9 | 24th       | 56.6 | 4.5                              | 7.1           | 0.5           | 68.5  | 7th                      | 74.9 | 30th        | 58.1 | 9.2                              | 15.9          | 5.1           |
| December . .      | 59.2  | 16th        | 69.7 | 8th        | 49.6 | 6.8                              | 10.3          | 2.9           | 58.6  | 11th & 15th              | 71.7 | 20th & 22nd | 50.7 | 12.3                             | 16.1          | 4.5           |
| Year . .          | 68.0  | ...         | 77.6 | ...        | 49.6 | 3.9                              | 14.0          | -0.3          | 70.2  | ...                      | 84.4 | ...         | 48.9 | 9.5                              | 19.1          | 2.6           |
| Means of extremes | ...   | ...         | 73.1 | ...        | 62.8 | ...                              | 6.9           | 1.4           | ...   | ...                      | 76.7 | ...         | 64.8 | ...                              | 13.6          | 4.9           |

\* On a woollen pad 3.5 inches above ground.

† Mean of 29 days.

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

51

## 84. RAJAHMUNDRY (corrected).\*

## 85. MASULIPATAM (corrected).

| MONTH.            | Mean. | MAXIMUM.      |      | MINIMUM.     |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean.         | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               |     |
|-------------------|-------|---------------|------|--------------|------|----------------------------------|---------------|---------------|---------------|----------|------|----------|------|----------------------------------|---------------|---------------|-----|
|                   |       | Day.          | °    | Day.         | °    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |               | Day.     | °    | Day.     | °    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |     |
| January . . .     | 57°0  | 30th          | 64°0 | 6th          | 49°0 | 6°7                              | 8°9           | 4°6           | Not recorded. |          |      |          |      |                                  |               |               |     |
| February . . .    |       | Not recorded. |      |              |      |                                  |               |               |               | Ditto.   |      |          |      |                                  |               |               |     |
| March . . .       |       | Ditto.        |      |              |      |                                  |               |               |               | Ditto.   |      |          |      |                                  |               |               |     |
| April . . .       |       | Ditto.        |      |              |      |                                  |               |               |               | Ditto.   |      |          |      |                                  |               |               |     |
| May . . .         |       | Ditto.        |      |              |      |                                  |               |               |               | 78°5     | 29th | 83°7     | 1st  | 72°5                             | 1°5           | 3°8           | 0   |
| June . . .        |       | Ditto.        |      |              |      |                                  |               |               |               | 78°1     | 13th | 83°7     | 4th  | 72°8                             | 0°4           | 2°0           | 0   |
| July . . .        |       | Ditto.        |      |              |      |                                  |               |               |               | 76°8     | 29th | 80°2     | 10th | 71°0                             | 0°5           | 1°1           | 0°2 |
| August . . .      |       | Imperfect.    |      |              |      |                                  |               |               |               | 76°8     | 24th | 80°6     | 18th | 72°6                             | 0°3           | 0°7           | 0   |
| September . . .   | 73°0  | 14th          | 77°3 | 21st         | 70°9 | 4°9                              | 7°6           | 2°2           | 75°7          | 24th     | 78°7 | 30th     | 71°3 | 2°1                              | 3°9           | 0°2           |     |
| October . . .     | 71°8  | 20th          | 74°7 | 16th, & 23rd | 69°9 | 3°7                              | 5°2           | 1°5           | 74°2          | 21st     | 76°9 | 16th     | 72°3 | 1°9                              | 3°1           | 1°0           |     |
| November . . .    | 66°7  | 24th          | 71°9 | 22nd         | 59°2 | 4°0                              | 6°6           | 2°3           | 69°3          | 3rd      | 74°9 | 18th     | 61°8 | 3°0                              | 4°3           | 1°9           |     |
| December . . .    | 59°6  | 11th          | 69°4 | 7th          | 50°8 | 4°8                              | 9°8           | 2°7           | 63°0          | 14th     | 72°7 | 7th      | 54°9 | 3°2                              | 4°9           | 1°4           |     |
| Year . . .        | ...   | ...           | ...  | ...          | ...  | ...                              | ...           | ...           | ...           | ...      | ...  | ...      | ...  | ...                              | ...           | ...           |     |
| Means of extremes | ...   | ...           | ...  | ...          | ...  | ...                              | ...           | ...           | ...           | ...      | ...  | ...      | ...  | ...                              | ...           | ...           |     |

\* On a woollen pad 3 inches up to August, and from September 2 feet 9 inches.

## 86. SECUNDERABAD.

## 87. KURNOOL (corrected).

| MONTH.            | Mean. | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean.         | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|----------|------|----------|------|----------------------------------|---------------|---------------|---------------|----------|------|----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.     | °    | Day.     | °    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |               | Day.     | °    | Day.     | °    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 52°0  | 30th     | 62°8 | 1st      | 43°5 | 6°8                              | 10°1          | 2°3           | Not recorded. |          |      |          |      |                                  |               |               |
| February . . .    | 56°4  | 26th     | 66°2 | 5th      | 43°9 | 6°3                              | 8°6           | 3°0           | Ditto.        |          |      |          |      |                                  |               |               |
| March . . .       | 64°4  | 28th     | 71°6 | 26th     | 57°3 | 5°1                              | 7°6           | 1°8           | Ditto.        |          |      |          |      |                                  |               |               |
| April . . .       | 70°3  | 11th     | 77°7 | 6th      | 59°1 | 4°8                              | 8°6           | 1°7           | Ditto.        |          |      |          |      |                                  |               |               |
| May . . .         | 75°0  | 30th     | 79°6 | 18th     | 69°8 | 2°7                              | 5°7           | 0°6           | Ditto.        |          |      |          |      |                                  |               |               |
| June . . .        | 72°1  | 12th     | 76°3 | 3rd      | 67°1 | 1°6                              | 3°5           | 1°0           | Ditto.        |          |      |          |      |                                  |               |               |
| July . . .        | 70°2  | 5th      | 72°4 | 19th     | 68°0 | 1°5                              | 3°5           | 0°8           | Ditto.        |          |      |          |      |                                  |               |               |
| August . . .      | 69°8  | 7th      | 72°9 | 28th     | 66°6 | 1°8                              | 3°3           | 0             | Ditto.        |          |      |          |      |                                  |               |               |
| September . . .   | 70°0  | 20th     | 73°8 | 27th     | 65°8 | 2°2                              | 5°1           | 0°5           | Ditto.        |          |      |          |      |                                  |               |               |
| October . . .     | 69°5  | 9th      | 72°9 | 12th     | 63°8 | 1°5                              | 3°4           | 0             | Ditto.        |          |      |          |      |                                  |               |               |
| November . . .    | 60°4  | 10th     | 68°0 | 17th     | 52°3 | 3°8                              | 6°0           | 0°7           | Ditto.        |          |      |          |      |                                  |               |               |
| December . . .    | 52°7  | 11th     | 64°3 | 20th     | 46°6 | 5°0                              | 10°8          | 1°2           | 53°4          | 11th     | 68°3 | 7th      | 43°9 | 5°1                              | 10°8          | 1°1           |
| Year . . .        | 65°2  | ...      | 79°6 | ...      | 43°5 | 3°6                              | 10°8          | 0             | ...           | ...      | ...  | ...      | ...  | ...                              | ...           | ...           |
| Means of extremes | ...   | ...      | 71°5 | ...      | 58°7 | ...                              | 6°4           | 1°1           | ...           | ...      | ...  | ...      | ...  | ...                              | ...           | ...           |

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

88. BELLARY (*corrected*).89. MANGALORE (*corrected*).†

| MONTH.            | Mean. | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.          |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|----------|------|----------|------|----------------------------------|---------------|---------------|-------|-------------------|------|-------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.     | °    | Day.     | °    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.              | °    | Day.        | °    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 56.8  | 29th     | 63.9 | 10th     | 50.7 | 2.8                              | 4.6           | 1.8           | 61.4  | 19th              | 66.8 | 11th        | 55.7 | 9.2                              | 14.9          | 2.6           |
| February . . .    | 58.5  | 28th     | 66.7 | 6th      | 49.8 | 4.7                              | 7.7           | 2.4           | 62.9  | 27th & 28th       | 69.4 | 13th        | 54.1 | 8.3                              | 17.1          | 2.7           |
| March . . .       | 67.9  | 7th      | 74.5 | 19th     | 62.7 | 3.5                              | 6.4           | 2.0           | 71.3  | 21st              | 74.2 | 26th        | 65.8 | 5.3                              | 9.4           | 2.6           |
| April . . .       | 74.9  | 29th     | 79.4 | 27th     | 69.3 | 3.0                              | 5.4           | 1.7           | 75.8  | 28th              | 78.8 | 3rd & 19th  | 71.9 | 4.6                              | 8.1           | 2.5           |
| May . . .         | 75.9* | 6th      | 81.1 | 18th     | 70.6 | 1.7*                             | 4.2           | 0             | 73.1  | 7th, 11th & 12th. | 78.2 | 16th & 24th | 72.6 | 3.7                              | 7.7           | 0.9           |
| June . . .        | 73.7  | 11th     | 78.4 | 10th     | 65.9 | 0.9                              | 3.3           | 0             | 74.4  | 23rd              | 77.4 | 16th        | 71.4 | 1.6                              | 3.8           | 0             |
| July . . .        | 73.3  | 21st     | 75.3 | 10th     | 69.8 | 1.0                              | 2.5           | 0             | 72.3  | 1st               | 74.9 | 3rd         | 68.6 | 1.1                              | 2.1           | 0             |
| August . . .      | 71.6† | 6th      | 74.4 | 18th     | 69.5 | 1.0†                             | 2.7           | 0             | 72.0  | 22nd              | 74.7 | 4th         | 70.1 | 1.5                              | 3.1           | 0             |
| September . . .   | 72.2  | 30th     | 76.3 | 3rd      | 67.9 | 1.4                              | 3.0           | 0.2           | 71.4  | 27th & 28th       | 72.5 | 10th        | 69.9 | 2.6                              | 4.1           | 0.1           |
| October . . .     | 67.1  | 1st      | 73.1 | 21st     | 61.1 | 4.6                              | 7.8           | 0.8           | 72.2  | 9th               | 74.4 | 21st        | 70.3 | 1.8                              | 3.5           | 0.1           |
| November . . .    | 58.7  | 10th     | 68.6 | 23rd     | 48.2 | 7.7†                             | 13.7          | 0.1           | 68.7  | 3rd               | 72.7 | 21st        | 62.8 | 3.4                              | 7.5           | 0.3           |
| December . . .    | 51.3  | 12th     | 68.9 | 22nd     | 43.0 | 9.7                              | 15.1          | 0.8           | 64.8  | 15th              | 71.4 | 21st        | 58.2 | 5.3                              | 9.0           | 2.6           |
| Year . . .        | 66.8  | ...      | 81.1 | ...      | 43.0 | 3.5                              | 15.1          | 0             | 70.0  | ...               | 78.8 | ...         | 54.1 | 4.0                              | 17.1          | 0             |
| Means of extremes | ...   | ...      | 73.4 | ...      | 60.7 | ...                              | 6.4           | 0.8           | ...   | ...               | 73.8 | ...         | 66.0 | ...                              | 7.5           | 1.2           |

\* Mean of 30 days.

† Mean of 29 days.

‡ On a woollen pad.

90. BANGALORE.\*

91. MADRAS.†

| MONTH.            | Mean. | MAXIMUM.  |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|-----------|------|----------|------|----------------------------------|---------------|---------------|-------|----------|------|----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.      | °    | Day.     | °    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | °    | Day.     | °    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 54.3  | 7th       | 59.4 | 14th     | 48.4 | 2.9                              | 8.3           | 1.4           | 63.3  | 4th      | 71.4 | 1st      | 59.4 | 4.0                              | 8.0           | 0.2           |
| February . . .    | 53.6  | 4th       | 57.6 | 26th     | 49.3 | 4.4                              | 9.9           | 1.6           | 64.2  | 21st     | 70.3 | 18th     | 58.1 | 3.4                              | 6.5           | 0.9           |
| March . . .       | 57.9  | 31st      | 63.6 | 1st      | 51.7 | 6.4                              | 10.1          | 4.0           | 70.8  | 27th     | 77.6 | 18th     | 63.7 | 2.2                              | 4.5           | -3.0          |
| April . . .       | 64.4  | 21st      | 67.8 | 9th      | 56.7 | 5.6                              | 9.9           | 2.8           | 74.4  | 17th     | 79.1 | 10th     | 69.4 | 2.3                              | 4.7           | 1.2           |
| May . . .         | 64.0  | 2nd       | 66.8 | 7th      | 58.6 | 4.8                              | 8.1           | 2.9           | 77.8  | 10th     | 84.1 | 14th     | 68.9 | 2.1                              | 7.0           | 0.6           |
| June . . .        | 63.2  | 28th      | 64.8 | 9th      | 61.2 | 3.5                              | 4.7           | 2.2           | 76.3  | 13th     | 80.0 | 2nd      | 70.3 | 1.6                              | 4.2           | 0             |
| July . . .        | 63.0  | 7th       | 64.6 | 8th      | 61.6 | 3.5                              | 4.8           | 2.5           | 75.9  | 21st     | 79.3 | 4th      | 70.1 | 1.5                              | 3.9           | 0.2           |
| August . . .      | 62.8  | 6th       | 64.1 | 3rd      | 61.4 | 3.1                              | 4.1           | 2.0           | 75.4  | 25th     | 78.4 | 28th     | 71.6 | 1.8                              | 4.0           | 0.5           |
| September . . .   | 62.9  | 6th       | 63.9 | 17th     | 61.9 | 2.9                              | 4.3           | 1.8           | 75.8  | 15th     | 78.4 | 28th     | 72.5 | 1.8                              | 5.0           | 0             |
| October . . .     | 62.7  | 6th       | 65.5 | 21st     | 59.7 | 2.6                              | 4.5           | 0.5           | 73.7  | 22nd     | 76.6 | 5th      | 70.3 | 1.8                              | 2.8           | 0.1           |
| November . . .    | 57.3  | 1st & 4th | 63.6 | 18th     | 48.7 | 3.7                              | 8.8           | 2.1           | 69.2  | 30th     | 73.6 | 19th     | 61.0 | 2.8                              | 9.7           | 0.2           |
| December . . .    | 55.1  | 16th      | 61.1 | 21st     | 47.9 | 3.5                              | 7.8           | 1.3           | 67.2  | 5th      | 74.1 | 9th      | 59.3 | 2.6                              | 4.5           | 0.3           |
| Year . . .        | 60.1  | ...       | 67.8 | ...      | 47.9 | 3.9                              | 10.1          | 0.5           | 72.0  | ...      | 84.1 | ...      | 58.1 | 2.3                              | 9.7           | -3.0          |
| Means of extremes | ...   | ...       | 63.6 | ...      | 55.6 | ...                              | 7.1           | 2.1           | ...   | ...      | 76.9 | ...      | 66.2 | ...                              | 5.4           | 0.1           |

\* On the same uprights as the sun thermometer, 3 inches above ground.

† On ground.

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

## 92. SALEM.

## 93. WELLINGTON.

| MONTH.            | Mean. | MAXIMUM. |      | MINIMUM.   |      | DIFFERENCE SHADE AND RADIATION. |               |               | Mean. | MAXIMUM. |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|----------|------|------------|------|---------------------------------|---------------|---------------|-------|----------|------|----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.     | o    | Day.       | o    | Mean.                           | Maxi-<br>mum. | Mini-<br>mum. |       | Day.     | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 59.0  | 7th      | 66.5 | 9th & 12th | 53.5 | 2.7                             | 4.4           | 2.0           | 38.9  | 6th      | 51.7 | 2nd      | 28.0 | 8.8                              | 13.2          | 1.8           |
| February . . .    | 60.2  | 7th      | 64.5 | 15th       | 54.6 | 2.7                             | 3.6           | 2.2           | 38.5  | 7th      | 47.9 | 14th     | 29.7 | 9.4                              | 13.5          | 5.0           |
| March . . .       | 67.2  | 27th     | 74.4 | 18th       | 61.2 | 3.0                             | 7.4           | 2.2           | 44.6  | 28th     | 51.8 | 19th     | 36.3 | 8.6                              | 14.0          | 5.2           |
| April . . .       | 72.5  | 29th     | 76.5 | 12th       | 68.2 | 2.5                             | 4.2           | 1.9           | 48.4  | 18th     | 57.9 | 10th     | 43.0 | 8.4                              | 14.6          | 0.2           |
| May . . .         | 71.7  | 9th      | 75.3 | 14th       | 64.3 | 2.9                             | 4.3           | 2.2           | 53.6  | 6th      | 58.8 | 16th     | 47.0 | 5.4                              | 8.2           | 2.0           |
| June . . .        | 70.7  | 8th      | 73.1 | 5th        | 67.1 | 2.6                             | 3.7           | 1.9           | 52.6  | 8th      | 58.0 | 24th     | 43.4 | 5.3                              | 8.4           | 1.5           |
| July . . .        | 69.3  | 9th      | 73.5 | 8th        | 65.3 | 2.5                             | 3.1           | 1.9           | 54.3  | 29th     | 57.0 | 8th      | 47.8 | 4.1                              | 8.1           | 0.6           |
| August . . .      | 67.5  | 7th      | 71.2 | 6th        | 64.3 | 2.7                             | 4.4           | 2.0           | 53.1  | 15th     | 58.0 | 23rd     | 43.3 | 4.4                              | 10.8          | 0             |
| September . . .   | 67.8  | 12th     | 70.2 | 28th       | 65.3 | 2.4                             | 3.0           | 1.6           | 51.1  | 23rd     | 58.3 | 19th     | 40.6 | 5.1                              | 10.4          | 1.1           |
| October . . .     | 67.5  | 6th      | 70.5 | 24th       | 63.7 | 2.4                             | 4.0           | 1.9           | 50.1  | 13th     | 56.6 | 19th     | 42.2 | 4.9                              | 9.2           | 1.9           |
| November . . .    | 63.0  | 13th     | 67.5 | 19th       | 54.8 | 2.4                             | 3.5           | 2.0           | 44.5  | 10th     | 55.5 | 17th     | 31.1 | 7.0                              | 12.3          | 1.8           |
| December . . .    | 60.4  | 4th      | 65.6 | 8th        | 53.6 | 2.7                             | 3.5           | 1.5           | 40.8  | 1st      | 53.4 | 24th     | 24.1 | 7.9                              | 14.0          | 1.3           |
| Year . . .        | 66.4  | ...      | 76.5 | ...        | 53.5 | 2.6                             | 7.4           | 1.5           | 47.5  | ...      | 58.8 | ...      | 24.1 | 6.6                              | 14.6          | 0             |
| Means of extremes | ...   | ...      | 70.7 | ...        | 61.3 | ...                             | 4.1           | 1.9           | ...   | ...      | 55.4 | ...      | 38.0 | ...                              | 11.4          | 1.9           |

## 94. COIMBATORE (corrected).

## 95. TRICHINOPOLY (corrected).

| MONTH.            | Mean. | MAXIMUM.   |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.   |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|------------|------|----------|------|----------------------------------|---------------|---------------|-------|------------|------|----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.       | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.       | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 59.5  | 31st       | 66.0 | 8th      | 52.4 | 5.6                              | 8.5           | 1.6           | 64.4  | 6th        | 69.4 | 8th      | 59.4 | 2.9                              | 5.0           | 1.1           |
| February . . .    | 57.3  | 7th        | 66.4 | 14th     | 48.8 | 8.2                              | 12.7          | 3.4           | 65.1  | 7th        | 73.3 | 14th     | 60.7 | 2.4                              | 3.6           | 0.4           |
| March . . .       | 62.3  | 24th       | 70.5 | 3rd      | 52.8 | 7.5                              | 10.9          | 3.1           | 70.9  | 26th       | 79.4 | 17th     | 64.1 | 2.3                              | 4.9           | 0.5           |
| April . . .       | 68.0  | 28th       | 72.5 | 10th     | 62.5 | 4.9                              | 8.5           | 1.1           | 75.8  | 25th       | 79.2 | 7th      | 69.1 | 1.9                              | 6.3           | -0.5          |
| May . . .         | 69.7  | 9th        | 74.8 | 29th     | 63.8 | 3.3                              | 5.5           | 1.1           | 76.1  | 8th & 10th | 80.6 | 24th     | 68.6 | 1.5                              | 3.4           | -0.7          |
| June . . .        | 68.9  | 29th       | 71.5 | 22nd     | 61.6 | 3.0                              | 10.1          | 0.6           | 76.6  | 14th       | 80.2 | 22nd     | 72.6 | 1.6                              | 5.6           | 0             |
| July . . .        | 69.0  | 5th        | 71.3 | 23rd     | 66.4 | 2.1                              | 3.5           | 0.6           | 75.0  | 14th       | 77.9 | 2nd      | 71.1 | 1.5                              | 2.9           | 0.3           |
| August . . .      | 67.4  | 1st        | 70.2 | 22nd     | 63.5 | 3.2                              | 6.2           | 1.8           | 73.5  | 21st       | 76.5 | 7th      | 66.4 | 1.8                              | 6.6           | 0             |
| September . . .   | 65.4  | 23rd       | 68.3 | 17th     | 61.0 | 5.3                              | 7.9           | 3.4           | 73.5  | 29th       | 75.1 | 28th     | 72.0 | 1.9                              | 3.8           | 0.5           |
| October . . .     | 66.1  | 29th       | 70.5 | 5th      | 59.3 | 4.5                              | 8.6           | 1.9           | 73.5  | 7th        | 76.0 | 29th     | 71.3 | 2.0                              | 4.2           | 0.5           |
| November . . .    | 63.4  | 4th & 15th | 69.0 | 18th     | 57.0 | 4.4                              | 7.1           | 1.5           | 69.7  | 2nd        | 74.1 | 19th     | 63.7 | 1.8                              | 3.5           | 0.3           |
| December . . .    | 60.8  | 1st        | 68.2 | 24th     | 55.9 | 5.1                              | 7.7           | 1.1           | 66.3  | 5th        | 70.6 | 22nd     | 59.6 | 2.4                              | 6.2           | 1.3           |
| Year . . .        | 64.8  | ...        | 74.8 | ...      | 48.8 | 4.8                              | 12.7          | 0.6           | 71.7  | ...        | 80.6 | ...      | 59.4 | 2.0                              | 6.6           | -0.7          |
| Means of extremes | ...   | ...        | 69.9 | ...      | 58.8 | ...                              | 8.1           | 1.8           | ...   | ...        | 76.0 | ...      | 66.6 | ...                              | 4.7           | 0.3           |



TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

100. AKYAB (*corrected*).\*101. THAYETMYO (*corrected*).||

| MONTH.            | Mean. | MAXIMUM.                |      | MINIMUM.          |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.                              |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|-------------------------|------|-------------------|------|----------------------------------|---------------|---------------|-------|---------------------------------------|------|-------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.                    | o    | Day.              | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.                                  | o    | Day.        | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 53'3  | 5th                     | 58'4 | 30th              | 48'4 | 7'6                              | 9'6           | 4'1           | 49'3  | 4th                                   | 56'5 | 30th        | 43'4 | 4'7                              | 7'4           | 2'8           |
| February . . .    | 51'8  | 27th                    | 63'4 | 8th, 12th & 13th. | 42'3 | 8'7                              | 11'8          | 5'2           | 51'2  | 4th                                   | 65'7 | 7th & 15th  | 43'4 | 4'0                              | 6'5           | 2'2           |
| March . . .       | 61'8† | 27th                    | 68'0 | 15th              | 52'9 | 7'5†                             | 11'2          | 2'8           | 60'7  | 24th                                  | 70'1 | 15th        | 53'5 | 6'0                              | 10'9          | 0'4           |
| April . . .       | 66'5  | 11th                    | 69'6 | 8th               | 61'8 | 9'8                              | 13'1          | 7'2           | 66'8  | 29th                                  | 74'1 | 8th         | 58'9 | 7'0                              | 12'9          | 3'6           |
| May . . .         | 75'4‡ | 30th                    | 78'1 | 2nd               | 69'7 | 3'5‡                             | 10'1          | 0'8           | 73'9  | 14th                                  | 76'5 | 4th & 5th   | 70'8 | 4'8                              | 8'2           | 1'3           |
| June . . .        | 75'3  | 13th                    | 77'3 | 7th               | 72'9 | 4'2                              | 7'3           | 2'3           | 74'7  | 11th                                  | 76'4 | 6th         | 73'4 | 1'8                              | 3'1           | 0'3           |
| July . . .        | 75'1  | 17th & 31st             | 77'3 | 10th              | 71'3 | 3'4§                             | 4'8           | 1'9           | 74'7  | 15th                                  | 76'5 | 9th         | 71'8 | 1'5                              | 4'1           | 0             |
| August . . .      | 75'4  | 6th, 20th, 30th & 31st. | 77'3 | 13th              | 72'3 | 2'9                              | 4'8           | 1'9           | 75'0  | 10th & 19th                           | 76'5 | 11th        | 72'4 | 1'1                              | 2'3           | 0'1           |
| September . . .   | 76'1‡ | 30th                    | 77'8 | 7th               | 74'3 | 3'4‡                             | 4'6           | 2'3           | 74'1  | 6th & 8th                             | 75'8 | 29th        | 71'1 | 1'8                              | 3'0           | 0'7           |
| October . . .     | 74'0  | 13th                    | 77'3 | 26th & 27th       | 71'3 | 4'5                              | 7'6           | 2'2           | 72'3  | 1st, 8th to 10th, 12th, 13th, & 17th. | 74'6 | 31st        | 67'6 | 2'4                              | 5'9           | 1'1           |
| November . . .    | 68'4  | 2nd                     | 73'4 | 18th              | 60'9 | 5'0                              | 6'7           | 2'2           | 64'6  | 1st & 8th                             | 70'6 | 27th        | 54'9 | 2'8                              | 4'5           | 1'2           |
| December . . .    | 57'8  | 1st & 13th              | 65'2 | 18th              | 51'7 | 6'7                              | 10'0          | 5'0           | 52'9  | 16th                                  | 61'5 | 23th & 24th | 47'6 | 4'4                              | 5'6           | 2'9           |
| Year . . .        | 67'6  | ...                     | 78'1 | ...               | 42'3 | 5'6                              | 13'1          | 0'8           | 65'9  | ...                                   | 76'5 | ...         | 43'4 | 3'5                              | 12'9          | 0             |
| Means of extremes | ...   | ...                     | 71'9 | ...               | 62'5 | ...                              | 8'5           | 3'2           | ...   | ...                                   | 71'2 | ...         | 60'7 | ...                              | 6'2           | 1'4           |

\* On a woollen pad 2½ inches above ground.

† Mean of 30 days.

‡ Mean of 29 days.

§ " " 23 "

|| On a woollen pad 4 inches above ground.

102. TOUNGOO (*corrected*).\*103. BASSEIN (*corrected*).||

| MONTH.            | Mean. | MAXIMUM.      |      | MINIMUM.          |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.  |      | MINIMUM.  |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|---------------|------|-------------------|------|----------------------------------|---------------|---------------|-------|-----------|------|-----------|------|----------------------------------|---------------|---------------|
|                   |       | Day.          | o    | Day.              | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.      | o    | Day.      | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     |       | Not recorded. |      |                   |      |                                  |               |               | 54'2  | 27th      | 57'5 | 8th & 9th | 49'7 | 7'7                              | 13'1          | 6'5           |
| February . . .    |       | Ditto.        |      |                   |      |                                  |               |               | 57'2  | 2nd       | 67'9 | 16th      | 48'6 | 7'1                              | 10'0          | 2'0           |
| March . . .       |       | Ditto.        |      |                   |      |                                  |               |               | 63'3  | 20th      | 67'8 | 1st       | 56'8 | 6'7                              | 8'7           | 5'2           |
| April . . .       |       | Ditto.        |      |                   |      |                                  |               |               | 68'5  | 30th      | 72'8 | 8th       | 62'8 | 6'1                              | 8'4           | 4'0           |
| May . . .         |       | Ditto.        |      |                   |      |                                  |               |               | 73'2  | 11th      | 75'8 | 6th       | 71'0 | 4'0                              | 5'5           | 1'8           |
| June . . .        |       | Ditto.        |      |                   |      |                                  |               |               | 74'0  | 17th      | 76'3 | 29th      | 71'7 | 2'4                              | 3'6           | 1'1           |
| July . . .        | 71'9† | 6th           | 74'0 | 22nd              | 69'9 | 3'3†                             | 4'8           | 0'8           | 73'5  | 4th       | 75'0 | 1st       | 71'7 | 2'5                              | 5'0           | 1'6           |
| August . . .      | 73'5‡ | 25th          | 75'0 | 9th               | 70'4 | 1'7‡                             | 3'3           | 0'5           | 73'9  | 6th       | 75'8 | 2nd       | 71'8 | 2'3                              | 3'2           | 1'6           |
| September . . .   | 73'8  | 5th           | 75'3 | 1st, 14th & 30th. | 71'9 | 2'4                              | 3'4           | 0'9           | 73'3  | 6th       | 75'4 | 14th      | 71'7 | 2'6                              | 3'8           | 1'8           |
| October . . .     | 71'6  | 4th           | 74'6 | 23rd              | 68'9 | 3'6                              | 5'2           | 1'2           | 71'5  | 3rd       | 73'6 | 26th      | 69'6 | 3'3                              | 5'0           | 1'8           |
| November . . .    | 65'9§ | 8th           | 71'4 | 28th              | 55'9 | 4'0§                             | 6'2           | 1'3           | 67'8  | 4th & 9th | 71'6 | 26th      | 61'0 | 3'6                              | 6'1           | 1'5           |
| December . . .    | 54'0  | 2nd           | 61'7 | 31st              | 49'4 | 7'8                              | 12'8          | 4'5           | 59'6  | 16th      | 67'8 | 12th      | 53'1 | 5'4                              | 6'6           | 3'6           |
| Year . . .        | ...   | ...           | ...  | ...               | ...  | ...                              | ...           | ...           | 67'5  | ...       | 76'3 | ...       | 48'6 | 4'5                              | 13'1          | 1'1           |
| Means of extremes | ...   | ...           | ...  | ...               | ...  | ...                              | ...           | ...           | ...   | ...       | 71'4 | ...       | 63'3 | ...                              | 6'6           | 2'7           |

\* On a woollen pad 2 inches above ground.

† Mean of 27 days.

‡ Mean of 24 days.

§ " " 28 "

|| On a woollen pad.

TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

104. RANGOON (*corrected*).\*105. MOULMEIN (*corrected*).†

| MONTH.            | Mean. | MAXIMUM.       |      | MINIMUM. |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.         |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|----------------|------|----------|------|----------------------------------|---------------|---------------|-------|------------------|------|-------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.           | o    | Day.     | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.             | o    | Day.        | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 56.1  | 4th & 27th     | 62.6 | 29th     | 49.9 | 7.5                              | 13.2          | 2.7           | 59.2  | 28th             | 64.3 | 5th & 8th   | 50.3 | 4.1                              | 10.5          | 0.7           |
| February . . .    | 57.6† | 1st            | 69.6 | 16th     | 50.0 | 7.3†                             | 10.2          | 3.3           | 63.9  | 3rd              | 69.2 | 11th        | 57.0 | 2.9                              | 4.9           | 1.8           |
| March . . .       | 64.7‡ | 26th           | 68.6 | 2nd      | 58.6 | 6.1‡                             | 9.0           | 2.8           | 69.4  | 29th             | 73.1 | 3rd         | 62.5 | 2.8                              | 4.4           | 1.4           |
| April . . .       | 70.4§ | 30th           | 78.5 | 11th     | 63.6 | 4.3§                             | 8.3           | 1.3           | 73.1  | 23rd & 27th      | 76.6 | 11th        | 68.2 | 3.0                              | 5.3           | 1.4           |
| May . . .         | 74.9‡ | 20th           | 77.0 | 21st     | 71.6 | 2.7‡                             | 5.9           | 0.4           | 73.7  | 18th             | 76.5 | 23rd        | 70.1 | 1.8                              | 3.5           | 0.7           |
| June . . .        | 75.2‡ | 24th & 25th    | 76.8 | 13th     | 71.6 | 1.8‡                             | 8.2           | 0             | 72.9  | 12th             | 75.7 | 30th        | 69.2 | 1.5                              | 4.1           | 0.5           |
| July . . .        |       | Untrustworthy. |      |          |      |                                  |               |               | 72.2  | 4th              | 76.1 | 21st        | 66.1 | 1.7                              | 6.4           | 0.8           |
| August . . .      | 74.1  | 5th            | 76.4 | 31st     | 71.8 | 1.8                              | 3.2           | 0.6           | 72.5  | 5th, 8th & 10th. | 74.2 | 18th        | 70.6 | 1.7                              | 2.6           | 1.0           |
| September . . .   |       | Imperfect.     |      |          |      |                                  |               |               | 72.8  | 25th             | 74.5 | 9th & 11th  | 71.2 | 1.8                              | 3.3           | 1.0           |
| October . . .     |       | Ditto.         |      |          |      |                                  |               |               | 72.2  | 8th & 12th       | 74.2 | 25th        | 67.2 | 2.6                              | 5.9           | 1.2           |
| November . . .    |       | Ditto.         |      |          |      |                                  |               |               | 66.3  | 5th              | 70.8 | 25th        | 55.1 | 3.9                              | 7.7           | 1.6           |
| December . . .    |       | Not recorded.  |      |          |      |                                  |               |               | 55.7  | 1st              | 66.2 | 11th & 12th | 50.3 | 7.0**                            | 9.5           | 3.3           |
| Year . . .        | ...   | ...            | ...  | ...      | ...  | ...                              | ...           | ...           | 68.7  | ...              | 76.6 | ...         | 50.3 | 2.9                              | 10.5          | 0.5           |
| Means of extremes | ...   | ...            | ...  | ...      | ...  | ...                              | ...           | ...           | ...   | ...              | 72.6 | ...         | 63.2 | ...                              | 5.7           | 1.3           |

\* On grass from April 1887, previously on a woollen pad.  
† Mean of 26 days.  
‡ " " 30 " " " " 21 "

† On a woollen pad.

\*\* Mean of 30 days.

106. MERGUI (*corrected*).\*107. PORT BLAIR (*corrected*).\*

| MONTH.            | Mean. | MAXIMUM.              |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               | Mean. | MAXIMUM.    |      | MINIMUM.    |      | DIFFERENCE, SHADE AND RADIATION. |               |               |
|-------------------|-------|-----------------------|------|-------------|------|----------------------------------|---------------|---------------|-------|-------------|------|-------------|------|----------------------------------|---------------|---------------|
|                   |       | Day.                  | o    | Day.        | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |       | Day.        | o    | Day.        | o    | Mean.                            | Maxi-<br>mum. | Mini-<br>mum. |
| January . . .     | 61.8  | 30th & 31st           | 66.5 | 5th         | 56.5 | 4.4                              | 7.0           | 2.9           | 69.4  | 5th         | 73.8 | 30th        | 63.8 | 6.0                              | 9.5           | 2.8           |
| February . . .    | 68.8  | 28th                  | 71.0 | 1st         | 62.8 | 3.5                              | 5.1           | 2.7           | 68.2  | 2nd         | 73.2 | 11th        | 62.2 | 6.7                              | 13.5          | 2.0           |
| March . . .       | 69.4  | 6th                   | 71.3 | 24th        | 64.7 | 3.4                              | 4.4           | 2.6           | 69.9  | 29th        | 75.2 | 26th        | 66.6 | 6.9                              | 11.1          | 3.5           |
| April . . .       | 70.6  | 16th                  | 74.3 | 9th & 28th  | 68.4 | 3.4                              | 4.5           | 2.5           | 72.7  | 26th        | 77.0 | 3rd         | 69.1 | 5.9                              | 8.7           | 0.6           |
| May . . .         | 70.4  | 20th                  | 71.7 | 1st         | 68.4 | 3.3                              | 4.1           | 2.4           | 74.4  | 22nd        | 77.2 | 12th        | 71.2 | 4.3                              | 9.3           | 1.3           |
| June . . .        | 69.9  | 10th                  | 71.3 | 15th        | 68.0 | 3.3                              | 4.0           | 2.2           | 74.1  | 4th         | 77.2 | 26th        | 71.2 | 3.4                              | 9.7           | 1.7           |
| July . . .        | 69.9  | 30th                  | 71.3 | 21st        | 68.2 | 3.2                              | 4.3           | 2.4           | 73.0  | 26th & 28th | 75.2 | 23rd & 30th | 70.2 | 3.4                              | 6.7           | 1.0           |
| August . . .      | 69.8  | 7th                   | 71.4 | 13th        | 69.3 | 3.1                              | 5.0           | 1.7           | 73.3  | 28th        | 75.9 | 3rd & 11th  | 71.7 | 3.7                              | 7.1           | 0             |
| September . . .   | 69.5  | 22nd                  | 71.1 | 12th & 15th | 67.5 | 3.2                              | 3.7           | 2.5           | 73.1  | 18th        | 76.2 | 23rd        | 69.2 | 3.9                              | 8.7           | 1.7           |
| October . . .     | 69.8  | 16th & 20th           | 71.4 | 5th         | 67.5 | 3.4                              | 4.0           | 2.4           | 72.8  | 29th        | 75.4 | 18th        | 70.1 | 3.4                              | 5.9           | 0.9           |
| November . . .    | 66.9  | 5th, 6th, 8th & 13th. | 69.4 | 24th        | 62.5 | 3.4                              | 4.9           | 2.5           | 72.6  | 5th & 17th  | 75.2 | 22nd        | 70.0 | 3.9                              | 7.1           | 0             |
| December . . .    | 58.7  | 5th                   | 67.5 | 22nd        | 51.5 | 3.6                              | 5.1           | 2.4           | 69.5  | 6th         | 75.7 | 23rd        | 59.2 | 5.7                              | 11.7          | 0.7           |
| Year . . .        | 68.0  | ...                   | 74.3 | ...         | 51.5 | 3.4                              | 7.0           | 1.7           | 71.9  | ...         | 77.2 | ...         | 59.2 | 4.8                              | 13.5          | 0             |
| Means of extremes | ...   | ...                   | 70.7 | ...         | 64.6 | ...                              | 4.7           | 2.4           | ...   | ...         | 75.6 | ...         | 67.9 | ...                              | 9.1           | 1.4           |

\* On a woollen pad 2 inches above ground.



TABLE III.—TEMPERATURES OF NOCTURNAL RADIATION IN 1886.

108. NANCOWRY (*corrected*).\*

| MONTH.                      | Mean. | MAXIMUM.                             |      | MINIMUM.                                                             |      | DIFFERENCE, SHADE AND RADIATION. |          |          |
|-----------------------------|-------|--------------------------------------|------|----------------------------------------------------------------------|------|----------------------------------|----------|----------|
|                             |       | Day.                                 | °    | Day.                                                                 | °    | Mean.                            | Maximum. | Minimum. |
| January . . . . .           | 71'8  | 17th                                 | 74'2 | 28th                                                                 | 69'6 | 5'1                              | 7'8      | 2'4      |
| February . . . . .          | 73'5  | 26th                                 | 75'6 | 1st, 3rd & 10th                                                      | 71'2 | 4'4                              | 6'2      | 2'4      |
| March . . . . .             | 74'5  | 9th                                  | 79'2 | 16th                                                                 | 69'6 | 4'5                              | 6'8      | 0'4      |
| April . . . . .             | 74'6  | 13th                                 | 77'2 | 5th & 27th                                                           | 72'6 | 4'6                              | 6'0      | 2'0      |
| May . . . . .               | 73'5  | 2nd, 6th, & 24th                     | 76'2 | 31st                                                                 | 70'2 | 4'6                              | 7'1      | 2'2      |
| June . . . . .              | 73'0† | 10th, 17th, & 21st                   | 75'2 | 23rd                                                                 | 70'2 | 4'1†                             | 8'2      | 2'0      |
| July . . . . .              | 72'3  | 22nd                                 | 74'6 | 13th                                                                 | 69'2 | 4'3                              | 7'8      | 2'0      |
| August . . . . .            | 71'5  | 4th, 5th, 9th, 21st,<br>27th & 28th. | 73'2 | 7th, 13th, 14th, 17th,<br>19th, 22nd, 23rd,<br>26th, & 29th to 31st. | 70'2 | 5'0                              | 8'2      | 2'4      |
| September . . . . .         | 71'3† | 22nd                                 | 74'2 | 6th                                                                  | 65'2 | 4'4†                             | 8'2      | 0'2      |
| October . . . . .           | 70'7  | 7th & 15th                           | 73'2 | 8th, 10th, 23rd, 26th,<br>27th & 30th.                               | 69'2 | 4'9                              | 7'8      | 1'6      |
| November . . . . .          | 69'8  | 9th                                  | 77'2 | 18th, 22nd & 29th                                                    | 65'2 | 5'5                              | 11'2     | 0'4      |
| December . . . . .          | 70'5  | 2nd & 3rd                            | 75'2 | 23rd                                                                 | 63'2 | 4'5                              | 10'8     | 0'8      |
| Year . . . . .              | 72'3  | ...                                  | 79'2 | ...                                                                  | 63'2 | 4'7                              | 11'2     | 0'2      |
| Means of extremes . . . . . | ...   | ...                                  | 75'4 | ...                                                                  | 68'8 | ...                              | 8'0      | 1'6      |

\* On a woollen pad 2 inches above ground.

† Mean of 29 days.

TABLE IV.—TEMPERATURES OF THE GROUND IN 1886. (5 STATIONS).

## 1. LAHORE.

| MONTH.       | SURFACE. |           |           |           | 1 FOOT DEEP. |           |           |           | 3 FEET DEEP. |           |           |           | 6 FEET DEEP. | DAILY MEANS. |         |         |
|--------------|----------|-----------|-----------|-----------|--------------|-----------|-----------|-----------|--------------|-----------|-----------|-----------|--------------|--------------|---------|---------|
|              | 4 hours. | 10 hours. | 16 hours. | 22 hours. | 4 hours.     | 10 hours. | 16 hours. | 22 hours. | 4 hours.     | 10 hours. | 16 hours. | 22 hours. | 10 hours.    | Surface.     | 1 foot. | 3 feet. |
| January . .  | 41'7     | 57'1      | 63'2      | 46'2      | 58'4         | 57'8      | 58'1      | 58'6      | 62'6         | 62'7      | 62'6      | 62'5      | 71'7         | 52'1         | 58'2    | 62'6    |
| February . . | 41'2     | 63'3      | 75'4      | 46'8      | 59'3         | 58'6      | 58'9      | 59'5      | 61'7         | 61'8      | 61'8      | 61'7      | 69'0         | 56'7         | 59'1    | 61'8    |
| March . .    | 54'1     | 85'7      | 90'7      | 59'5      | 69'2         | 68'7      | 68'6      | 69'7      | 68'6         | 68'7      | 68'7      | 68'8      | 69'9         | 72'5         | 69'1    | 68'7    |
| April . .    | 60'8     | 113'5     | 114'3     | 68'8      | 80'2         | 79'7      | 79'5      | 80'6      | 77'1         | 77'4      | 77'4      | 77'3      | 73'7         | 89'4         | 80'0    | 77'3    |
| May . .      | 70'2     | 125'6     | 127'7     | 79'5      | 89'4         | 89'1      | 88'9      | 89'9      | 85'8         | 86'0      | 86'1      | 86'0      | 79'3         | 100'8        | 89'3    | 86'0    |
| June . .     | 79'0     | 119'0     | 125'7     | 86'1      | 93'1         | 92'6      | 92'5      | 93'3      | 90'1         | 90'2      | 90'3      | 90'2      | 83'6         | 102'5        | 92'9    | 90'2    |
| July . .     | 82'3     | 106'8     | 119'3     | 87'8      | 94'4         | 93'7      | 93'7      | 94'5      | 92'5         | 92'5      | 92'5      | 92'5      | 86'4         | 99'1         | 94'1    | 92'5    |
| August . .   | 81'4     | 119'3     | 127'5     | 86'9      | 95'5         | 95'2      | 95'1      | 96'0      | 93'5         | 93'6      | 93'7      | 93'7      | 87'9         | 103'8        | 95'5    | 93'6    |
| September .  | 75'0     | 121'7     | 124'6     | 81'6      | 95'0         | 95'0      | 94'9      | 95'6      | 94'3         | 94'4      | 94'3      | 94'3      | 89'4         | 100'7        | 95'1    | 94'3    |
| October . .  | 60'0     | 99'0      | 97'4      | 66'2      | 84'1         | 84'1      | 84'2      | 84'5      | 86'6         | 86'5      | 86'4      | 86'3      | 87'6         | 80'7         | 84'2    | 86'5    |
| November .   | 46'6     | 73'6      | 81'1      | 52'7      | 72'6         | 72'2      | 72'8      | 72'9      | 76'7         | 76'7      | 76'6      | 76'5      | 82'5         | 63'5         | 72'6    | 76'6    |
| December .   | 39'7     | 60'7      | 68'4      | 45'1      | 63'7         | 63'2      | 63'7      | 63'9      | 68'4         | 68'4      | 68'3      | 68'2      | 76'8         | 53'5         | 63'6    | 68'3    |
| Year . .     | 61'0     | 95'4      | 101'3     | 67'3      | 79'6         | 79'2      | 79'2      | 79'9      | 79'8         | 79'9      | 79'9      | 79'8      | 79'8         | 81'3         | 79'5    | 79'9    |

## 2. DEHRA.

## 3. ALLAHABAD.

| MONTH.       | 15 HOURS. |           |           |                | SURFACE. |           |           | 1 FOOT DEEP. |           |           | 3 FEET DEEP. |           |           | 9 FEET DEEP. | DAILY MEANS. |         |         |
|--------------|-----------|-----------|-----------|----------------|----------|-----------|-----------|--------------|-----------|-----------|--------------|-----------|-----------|--------------|--------------|---------|---------|
|              | 1'1 feet. | 3'2 feet. | 6'4 feet. | 12'8 feet.     | 6 hours. | 14 hours. | 22 hours. | 6 hours.     | 14 hours. | 22 hours. | 6 hours.     | 14 hours. | 22 hours. | 14 hours.    | Surface.     | 1 foot. | 3 feet. |
| January . .  | 57'1      | 60'8      | 66'5      | 72'5           | 45'2     | 76'9      | 51'8      | 59'6         | 58'8      | 61'5      | 64'7         | 64'7      | 64'7      | 77'4         | 58'4         | 59'9    | 64'7    |
| February . . | 57'7      | 60'2      | 64'7      | Untrustworthy. | 44'7     | 100'3     | 53'2      | 63'4         | 62'3      | 65'8      | 66'1         | 66'2      | 66'3      | 75'6         | 66'3         | 63'8    | 66'2    |
| March . .    | 66'3      | 65'3      | 66'6      |                | 59'4     | 118'2     | 67'7      | 75'1         | 74'1      | 77'8      | 73'5         | 73'6      | 73'7      | 75'5         | 82'6         | 75'6    | 73'6    |
| April . .    | 77'2      | 72'4      | 70'0      |                | 65'3     | 135'6     | 75'3      | 84'7         | 83'8      | 87'6      | 81'4         | 81'7      | 81'7      | 77'5         | 93'1         | 85'2    | 81'5    |
| May . .      | 83'0      | 78'9      | 74'9      |                | 78'1     | 139'3     | 85'6      | 93'8         | 92'8      | 95'9      | 89'3         | 89'5      | 89'4      | 80'3         | 102'4        | 94'0    | 89'4    |
| June . .     | 86'4      | 82'1      | 77'9      |                | 82'2     | 122'1     | 86'6      | 93'3         | 92'7      | 94'8      | 91'7         | 91'7      | 91'6      | 83'0         | 97'7         | 93'6    | 91'7    |
| July . .     | 83'8      | 82'6      | 80'3      |                | 80'3     | 101'9     | 82'1      | 86'9         | 86'7      | 87'9      | 87'5         | 87'4      | 87'4      | 84'0         | 87'6         | 86'8    | 87'4    |
| August . .   | 83'0      | 82'5      | 81'5      |                | 78'8     | 103'0     | 81'7      | 85'8         | 85'5      | 87'2      | 86'1         | 86'1      | 86'1      | 84'0         | 87'3         | 86'2    | 86'1    |
| September .  | 83'2      | 82'4      | 81'7      |                | 76'5     | 105'5     | 80'1      | 84'8         | 84'5      | 86'5      | 85'0         | 85'1      | 85'1      | 84'0         | 86'6         | 85'2    | 85'1    |
| October . .  | 76'8      | 78'4      | 79'9      |                | 72'2     | 102'1     | 75'3      | 81'8         | 81'5      | 83'2      | 83'6         | 83'5      | 83'5      | 83'9         | 83'5         | 82'1    | 83'5    |
| November .   | 68'4      | 71'7      | 75'5      |                | 54'0     | 94'6      | 60'8      | 72'9         | 72'2      | 74'6      | 78'1         | 77'7      | 77'8      | 83'0         | 70'3         | 73'2    | 77'9    |
| December .   | 61'2      | 65'6      | 70'7      |                | 47'5     | 77'4      | 53'5      | 63'5         | 62'5      | 64'6      | 70'4         | 70'1      | 70'2      | 80'8         | 60'2         | 63'5    | 70'2    |
| Year . .     | 73'7      | 73'6      | 74'2      |                | 65'4     | 106'4     | 71'1      | 78'8         | 78'1      | 80'6      | 79'8         | 79'8      | 79'8      | 80'8         | 81'3         | 79'1    | 79'8    |

TABLE IV.—TEMPERATURES OF THE GROUND IN 1886.

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## 4. CALCUTTA (ALIPORE).

| MONTH.    | SURFACE.  |            |            | 1 FOOT DEEP (OLD). |            |            | 1 FOOT DEEP (NEW). |            |            | 3 FEET DEEP. |            |            | 6 FEET DEEP. | DAILY MEANS. |               |               |         |
|-----------|-----------|------------|------------|--------------------|------------|------------|--------------------|------------|------------|--------------|------------|------------|--------------|--------------|---------------|---------------|---------|
|           | 5½ hours. | 13½ hours. | 21½ hours. | 5½ hours.          | 13½ hours. | 21½ hours. | 5½ hours.          | 13½ hours. | 21½ hours. | 5½ hours.    | 13½ hours. | 21½ hours. | 13½ hours.   | Surface.     | 1 foot (old). | 1 foot (new). | 3 feet. |
| January   | 56.6      | 74.0       | 60.1       | 66.3               | 66.8       | 67.8       | 67.6               | 66.9       | 68.0       | 71.2         | 71.3       | 71.6       | 77.2         | 63.6         | 67.0          | 67.5          | 71.4    |
| February  | 56.9      | 87.7       | 60.4       | 68.1               | 68.5       | 69.7       | 69.1               | 68.5       | 69.7       | 71.6         | 72.0       | 72.1       | 75.9         | 68.3         | 68.8          | 69.1          | 71.9    |
| March     | 69.8      | 98.9       | 72.8       | 77.2               | 77.4       | 78.7       | 78.0               | 77.3       | 78.7       | 77.7         | 77.7       | 77.8       | 77.0         | 80.5         | 77.8          | 78.0          | 77.7    |
| April     | 75.8      | 113.6      | 80.4       | 84.8               | 85.2       | 86.8       | 85.6               | 84.9       | 86.6       | 83.6         | 83.7       | 83.7       | 79.9         | 89.9         | 85.6          | 85.7          | 83.7    |
| May       | 80.4      | 108.0      | 82.8       | 87.4               | 87.7       | 88.9       | 88.2               | 87.5       | 89.0       | 87.1         | 87.0       | 87.1       | 83.2         | 90.4         | 88.0          | 88.2          | 87.1    |
| June      | 82.5      | 98.4       | 84.0       | 87.6               | 87.9       | 88.6       | 88.1               | 87.6       | 88.5       | 87.6         | 87.6       | 87.6       | 84.7         | 88.3         | 88.0          | 88.1          | 87.6    |
| July      | 82.2      | 93.4       | 83.6       | 86.3               | 86.2       | 86.7       | 86.4               | 85.9       | 86.7       | 86.5         | 86.5       | 86.6       | 85.0         | 86.4         | 86.4          | 86.3          | 86.5    |
| August    | 81.8      | 93.6       | 83.4       | 86.0               | 85.8       | 86.2       | 86.0               | 85.6       | 86.2       | 86.4         | 86.4       | 86.4       | 85.4         | 86.3         | 86.0          | 85.9          | 86.4    |
| September | 81.4      | 92.3       | 82.9       | 85.9               | 85.6       | 86.1       | 85.9               | 85.4       | 86.0       | 86.3         | 86.3       | 86.3       | 85.5         | 85.5         | 85.9          | 85.8          | 86.3    |
| October   | 79.7      | 92.9       | 81.6       | 85.0               | 84.8       | 85.2       | 85.0               | 84.6       | 85.2       | 85.7         | 85.7       | 85.7       | 85.2         | 84.7         | 85.0          | 84.9          | 85.7    |
| November  | 69.2      | 84.5       | 71.6       | 78.4               | 78.3       | 78.6       | 78.9               | 78.2       | 78.8       | 82.4         | 82.3       | 82.3       | 84.3         | 75.1         | 78.4          | 78.6          | 82.3    |
| December  | 59.2      | 75.9       | 62.2       | 70.9               | 71.0       | 71.4       | 71.5               | 70.9       | 71.7       | 76.7         | 76.7       | 76.5       | 81.5         | 65.8         | 71.1          | 71.4          | 76.6    |
| Year      | 73.0      | 92.8       | 75.5       | 80.3               | 80.4       | 81.2       | 80.9               | 80.3       | 81.3       | 81.9         | 81.9       | 82.0       | 82.1         | 80.4         | 80.7          | 80.8          | 81.9    |

## 5. JEYPORE.

| MONTH.    | SURFACE. |           |           |           | 4 INCHES. |           |           |           | 1 FOOT DEEP. |           |           |           | 3 FEET DEEP. |           |           |           | 10 FEET DEEP. | 20 FEET DEEP. | DAILY MEANS. |           |         |         |
|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|-----------|-----------|-----------|--------------|-----------|-----------|-----------|---------------|---------------|--------------|-----------|---------|---------|
|           | 4 hours. | 10 hours. | 16 hours. | 22 hours. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | 4 hours.     | 10 hours. | 16 hours. | 22 hours. | 4 hours.     | 10 hours. | 16 hours. | 22 hours. | 10 hours.     | 10 hours.     | Surface.     | 4 inches. | 1 foot. | 3 feet. |
| January   | 47.7     | 73.5      | 80.0      | 52.7      | 57.3      | 58.5      | 73.2      | 63.5      | 61.8         | 59.8      | 64.3      | 65.2      | 67.6         | 67.7      | 67.8      | 67.4      | 76.3          | 78.5          | 63.5         | 63.1      | 62.8    | 67.6    |
| February  | 44.9     | 82.9      | 92.3      | 52.4      | 61.7      | 61.6      | 78.7      | 69.8      | 64.9         | 62.7      | 67.1      | 68.4      | 67.4         | 67.6      | 67.7      | 67.7      | 73.5          | 76.2          | 68.1         | 68.0      | 65.8    | 67.6    |
| March     | 58.4     | 103.8     | 105.3     | 65.8      | 74.4      | 75.3      | 91.0      | 82.6      | 76.9         | 75.2      | 78.1      | 79.7      | 74.3         | 74.4      | 74.5      | 74.5      | 73.5          | 75.0          | 83.3         | 80.8      | 77.5    | 74.4    |
| April     | 64.5     | 123.6     | 120.4     | 72.9      | 82.5      | 84.7      | 103.0     | 93.3      | 85.4         | 83.4      | 86.6      | 88.6      | 80.3         | 80.1      | 80.6      | 80.6      | 76.1          | 76.0          | 95.3         | 90.9      | 86.0    | 80.4    |
| May       | 76.8     | 125.9     | 128.1     | 84.9      | 92.8      | 93.4      | 110.1     | 102.0     | 94.9         | 93.2      | 95.6      | 97.6      | 86.9         | 87.1      | 87.3      | 86.2      | 79.8          | 78.5          | 103.9        | 99.6      | 95.3    | 86.9    |
| June      | 77.5     | 117.3     | 119.7     | 84.0      | 89.3      | 90.8      | 105.4     | 96.8      | 93.2         | 91.4      | 94.8      | 96.5      | 89.6         | 89.7      | 89.7      | 89.7      | 83.3          | 81.3          | 99.6         | 95.6      | 94.0    | 89.7    |
| July      | 77.4     | 99.7      | 98.4      | 79.9      | 84.1      | 85.2      | 92.4      | 87.4      | 86.5         | 85.5      | 88.2      | 88.4      | 87.9         | 88.0      | 88.0      | 87.8      | 85.6          | 80.8          | 88.9         | 87.3      | 87.2    | 87.9    |
| August    | 75.0     | 96.9      | 101.0     | 78.4      | 82.9      | 83.0      | 92.5      | 85.7      | 84.3         | 83.2      | 86.7      | 86.9      | 85.3         | 85.4      | 85.4      | 85.3      | 84.6          | 81.5          | 87.8         | 86.0      | 85.3    | 85.9    |
| September | 68.3     | 106.2     | 110.2     | 73.2      | 81.7      | 83.2      | 97.0      | 87.9      | 84.0         | 83.0      | 86.7      | 87.6      | 84.8         | 84.9      | 85.0      | 84.9      | 84.0          | 82.0          | 89.5         | 87.5      | 85.5    | 84.8    |
| October   | 65.2     | 112.7     | 105.1     | 70.5      | 79.7      | 83.1      | 98.1      | 86.5      | 84.0         | 82.1      | 85.8      | 86.6      | 84.7         | 84.8      | 84.9      | 84.7      | 83.9          | 82.2          | 88.4         | 86.9      | 84.6    | 84.4    |
| November  | 49.7     | 104.0     | 89.8      | 55.1      | 68.8      | 71.9      | 87.5      | 76.2      | 74.1         | 72.6      | 75.7      | 77.0      | 78.6         | 78.7      | 78.8      | 78.6      | 82.4          | 82.3          | 74.7         | 76.1      | 74.9    | 78.7    |
| December  | 41.9     | 89.7      | 74.1      | 47.6      | 59.5      | 62.7      | 74.9      | 65.6      | 64.8         | 63.8      | 66.1      | 66.5      | 71.8         | 71.9      | 72.0      | 71.8      | 79.2          | 82.0          | 63.3         | 65.7      | 65.3    | 71.9    |
| Year      | 62.3     | 103.0     | 102.0     | 68.1      | 76.2      | 77.8      | 92.0      | 83.1      | 79.6         | 78.0      | 81.3      | 82.4      | 79.9         | 80.0      | 80.1      | 79.9      | 80.2          | 79.7          | 83.9         | 82.3      | 80.4    | 80.0    |

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.  
(137 STATIONS).

1. ADEN (*corrected*).

2. BUSHIRE (*corrected*).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       |                 | LOWEST MINIMUM. |                      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       |      | Absolute range.                 | LOWEST MINIMUM. |  |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|----------------------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|------|---------------------------------|-----------------|--|
|           |       |           |           |                      |                      |                      | Day.             | o     | Absolute range. | Day.            | o                    |       |           |           |                      |                      |                      | Day.             | o     | Day. |                                 | o               |  |
| January . | 75.6  | 77.5      | 78.7      | 82.2                 | 9.8                  | 72.4                 | 4th &<br>6th.    | 85.3  | 18.4            | 4th             | 66.9                 | 57.6  | 59.9      | 62.7      | 66.1                 | 13.6                 | 52.5                 | 1st              | 75.6  | 27.3 | 5th, 9th, 16th,<br>23rd & 31st. | 48.3            |  |
| February  | 75.5  | 76.8*     | 78.2†     | 81.7†                | 8.9                  | 72.8*                | 5th              | 84.5  | 14.4            | 4th             | 70.1                 | 59.7  | 61.8      | 64.7      | 68.1*                | 13.4                 | 54.7                 | 17th &<br>20th.  | 71.6  | 23.3 | 1st                             | 48.3            |  |
| March .   | 78.5  | 80.9‡     | 81.9‡     | 86.9*                | 11.9                 | 75.0‡                | 23rd &<br>29th.  | 91.3  | 20.4            | 2nd             | 70.9                 | 62.1  | 65.5‡     | 68.0††    | 71.5‡‡               | 15.3                 | 56.2                 | 12th to<br>14th. | 76.6  | 25.3 | 16th to 22nd,<br>29th & 30th.   | 51.3            |  |
| April .   | 82.5  | 84.4†     | 87.3†     | 91.8†                | 14.1                 | 77.7†                | 30th             | 100.7 | 27.7            | 10th            | 73.0                 | 72.1  | 77.3      | 78.8      | 84.1                 | 18.7                 | 65.4                 | 24th             | 101.5 | 49.2 | 9th to 11th                     | 52.3            |  |
| May .     | 84.1  | 88.0‡     | 88.3‡     | 93.8**               | 14.0                 | 79.8‡                | 31st             | 97.3  | 22.9            | 29th            | 74.4                 | 81.4  | 85.8      | 86.6      | 93.4                 | 17.3                 | 76.1                 | 11th             | 101.5 | 30.4 | 2nd                             | 71.1            |  |
| June .    | ?     | 91.0††    | 91.3††    | 95.8††               | ?                    | Imper-<br>fect.      | 7th              | 100.8 | ?               | ...             | Im-<br>per-<br>fect. | 86.4  | 90.7      | 91.8      | 94.2                 | 13.2                 | 81.0                 | 1st              | 101.5 | 23.6 | 1st, 2nd<br>& 13th.             | 77.9            |  |
| July .    | 88.0  | 89.4††    | 91.8      | 95.3                 | 11.2                 | 84.1††               | 15th &<br>16th.  | 101.3 | 22.0            | 29th            | 79.3                 | 88.7  | 91.4      | 92.7      | 95.9                 | 11.3                 | 84.6                 | 22nd             | 102.0 | 24.1 | 12th & 13th                     | 77.9            |  |
| August .  | 85.4  | 88.2      | 89.2      | 92.8                 | 11.2                 | 81.6                 | 14th             | 97.3  | 19.3            | 20th            | 78.0                 | 89.2  | 93.2‡‡    | 95.6‡‡    | 97.3‡‡               | 14.6                 | 82.7‡‡               | 6th              | 102.5 | 24.6 | 29th                            | 77.9            |  |
| September | 85.3  | 88.5      | 89.4      | 93.0                 | 11.8                 | 81.2                 | 17th             | 99.5  | 21.1            | 29th            | 78.4                 | 86.1  | 89.7      | 92.1      | 94.0                 | 13.9                 | 80.1                 | 8th              | 101.5 | 29.5 | 30th                            | 72.0            |  |
| October . | 82.3  | 87.7      | 86.7      | 92.7                 | 14.9                 | 77.8                 | 25th             | 97.1  | 24.0            | 30th            | 73.1                 | 76.3  | 80.9      | 84.0      | 86.0                 | 17.4                 | 68.6                 | 18th             | 94.5  | 31.3 | 14th, 17th,<br>& 18th.          | 63.2            |  |
| November  | 78.0  | 81.9      | 82.6      | 86.9                 | 13.6                 | 73.3                 | 15th             | 92.9  | 23.5            | 14th            | 69.1                 | 69.2  | 72.9      | 75.9      | 77.8                 | 15.4                 | 62.4                 | 6th              | 89.6  | 33.8 | 17th                            | 55.8            |  |
| December  | 74.9  | 77.8      | 78.3‡‡    | 82.4                 | 10.9                 | 71.5                 | 4th              | 86.7  | 23.2            | 5th             | 63.5                 | 60.5  | 62.5      | 65.8      | 68.3                 | 13.1                 | 55.2                 | 11th &<br>12th.  | 77.6  | 29.3 | 24th                            | 48.3            |  |
| Year .    | ?     | 84.3      | 85.3      | 89.6                 | ?                    | ?                    | ...              | 101.3 | 37.8            | ...             | 63.5                 | 74.1  | 77.6      | 79.9      | 83.1                 | 14.8                 | 68.3                 | ...              | 102.5 | 54.2 | ...                             | 48.3            |  |

\* Mean of 26 days.  
† " " 25 "

‡ Mean of 28 days.  
§ " " 27 "

|| Mean of 24 days.  
¶ " " 23 "

\*\* Mean of 22 days.  
†† " " 20 "

‡‡ Mean of 29 days.  
§§ " " 30 "

3. AMINI DIVI (*corrected*).

4. QUETTA (*corrected*).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM.                     |      |                 | LOWEST MINIMUM. |      |                 | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      |                 | LOWEST MINIMUM. |   |                 |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|--------------------------------------|------|-----------------|-----------------|------|-----------------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|---|-----------------|
|           |       |           |           |                      |                      |                      | Day.                                 | o    | Absolute range. | Day.            | o    | Absolute range. |       |           |           |                      |                      |                      | Day.             | o    | Absolute range. | Day.            | o | Absolute range. |
| January . | 79.6  | 82.8      | 82.1      | 84.8                 | 11.0                 | 73.8                 | 5th to 8th,<br>14th, 20th<br>& 23rd. | 85.7 | 18.7            | 10th            | 67.0 | 36.8            | 39.6  | 43.1      | 46.0      | 15.5                 | 30.5                 | 6th                  | 59.8             | 42.0 | 4th             | 17.8            |   |                 |
| February  | 80.3  | 83.8      | 83.4      | 86.4                 | 12.6                 | 73.8                 | 27th                                 | 90.4 | 21.2            | 14th            | 69.2 | 37.3            | 40.2  | 44.3      | 48.0      | 17.6                 | 30.4                 | 25th                 | 62.3             | 48.0 | 16th            | 14.3            |   |                 |
| March .   | 82.2  | 85.2      | 86.1      | 89.0                 | 13.6                 | 75.4                 | 6th                                  | 91.7 | 21.5            | 28th            | 70.2 | 47.6            | 53.5  | 55.6      | 60.2      | 20.7                 | 39.5                 | 14th                 | 74.1             | 46.3 | 31st            | 27.8            |   |                 |
| April .   |       |           |           |                      |                      |                      | Not received.                        |      |                 |                 |      | 58.2            | 69.0  | 71.3      | 75.7      | 30.7                 | 45.0                 | 26th                 | 87.9             | 58.5 | 2nd             | 29.4            |   |                 |
| May .     |       |           |           |                      |                      |                      | Imperfect.                           |      |                 |                 |      | 66.6            | 77.9  | 80.6      | 83.7      | 31.1                 | 52.6                 | 24th                 | 94.0             | 52.1 | 7th             | 41.9            |   |                 |
| June .    | 83.1  | 85.0      | 86.2      | Untrustworthy.       | ...                  | 78.1                 | ...                                  | P    | ...             | 15th & 16th     | 72.2 | 74.6            | 83.4  | 89.4      | 91.2      | 31.5                 | 59.7                 | 29th                 | 97.0             | 50.9 | 3rd             | 46.1            |   |                 |
| July .    | 79.8  | 82.0      | 81.8      |                      | ...                  | 75.7                 | ...                                  | P    | ...             | 29th            | 72.4 | 79.1            | 85.4  | 90.0      | 93.2      | 25.0                 | 68.2                 | 9th                  | 99.0             | 38.0 | 19th            | 61.0            |   |                 |
| August .  | 79.5  | 81.4      | 82.1      |                      | ...                  | 74.9                 | ...                                  | P    | ...             | 3rd             | 71.5 | 76.1            | 83.0  | 90.0      | 91.4      | 29.3                 | 62.1                 | 24th                 | 94.5             | 39.6 | 12th            | 54.9            |   |                 |
| September | 79.8  | 81.8      | 82.6      |                      | ...                  | 75.0                 | ...                                  | P    | ...             | 2nd & 11th      | 72.2 | 68.7            | 78.9  | 85.2      | 87.4      | 35.3                 | 52.1                 | 1st                  | 94.5             | 55.2 | 19th            | 39.3            |   |                 |
| October . | 81.7  | 83.3      | 85.2      |                      | ...                  | 76.5                 | ...                                  | P    | ...             | 24th            | 73.2 | 55.9            | 66.8  | 73.5      | 75.6      | 37.3                 | 38.3                 | 5th                  | 85.9             | 58.1 | 30th            | 27.8            |   |                 |
| November  | 80.3  | 83.2      | 83.8      |                      | ...                  | 74.0                 | ...                                  | P    | ...             | 23rd            | 69.2 | 49.0            | 57.9  | 64.4      | 66.3      | 32.8                 | 33.5                 | 8th                  | 74.7             | 49.9 | 27th            | 24.8            |   |                 |
| December  | 79.6  | 83.4      | 83.5      |                      | ...                  | 72.0                 | ...                                  | P    | ...             | 23rd            | 66.4 | 40.1            | 46.0  | 50.8      | 53.8      | 24.4                 | 29.4                 | 17th & 19th          | 64.5             | 49.7 | 28th            | 14.8            |   |                 |
| Year .    | ...   | ...       | ...       |                      | ...                  | ...                  | ...                                  | ...  | ...             | ...             | ...  | 57.5            | 65.1  | 69.9      | 72.7      | 27.6                 | 45.1                 | ...                  | 99.0             | 84.7 | ...             | 14.3            |   |                 |

Untrustworthy.

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

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## 5. LEH (corrected).

## 6. MOOLTAN (corrected).

| MONTH.      | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | Mean of Maximum. | Mean daily range. | Mean of Minimum. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maximum. | Mean daily range. | Mean of Minimum. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM.   |      |
|-------------|-------|----------|-----------|-----------|-----------|------------------|-------------------|------------------|------------------|------|-----------------|-----------------|------|-------|-----------|-----------|------------------|-------------------|------------------|------------------|-------|-----------------|-------------------|------|
|             |       |          |           |           |           |                  |                   |                  | Day.             | o    |                 | Day.            | o    |       |           |           |                  |                   |                  | Day.             | o     |                 | Day.              | o    |
| January .   | 20.6  | 13.3     | 21.4      | 27.8      | 19.9      | 30.5*            | 18.8*             | 11.7             | 10th             | 38.4 | 35.9            | 29th & 30th.    | 2.5  | 55.8  | 57.1      | 65.8      | 67.3†            | 21.6              | 45.7             | 12th             | 76.8  | 38.0            | 1st               | 38.8 |
| February .  | 20.5  | 13.2     | 21.7      | 28.5      | 18.7      | 31.6             | 19.3              | 12.3             | 27th             | 46.4 | 47.9            | 4th             | -1.5 | 56.9  | 59.9      | 68.2      | 69.4             | 23.8              | 45.6             | 28th             | 83.3  | 48.1            | 11th              | 35.2 |
| March .     | 32.0  | 24.4     | 33.5      | 39.6      | 30.1      | 43.8             | 20.2              | 23.6             | 15th & 16th.     | 54.4 | 42.4            | 3rd             | 12.0 | 68.6  | 71.7      | 79.3      | 80.7             | 22.8              | 57.9             | 15th             | 83.3  | 39.3            | 1st               | 50.0 |
| April .     | 38.4  | 29.3     | 40.7      | 47.1      | 36.5      | 50.3             | 22.5              | 27.8†            | 29th.            | 63.3 | 47.0            | 4th             | 16.3 | 80.1  | 86.3      | 94.5      | 96.9             | 31.3              | 65.6             | 28th             | 108.3 | 57.7            | 2nd               | 50.6 |
| May .       | 48.2  | 38.6     | 52.0      | 57.4      | 44.8      | 61.8             | 27.3              | 34.5†            | 27th             | 72.8 | 49.2            | 16th            | 23.6 | 90.0  | 96.0      | 102.8     | 104.8            | 27.6              | 77.2             | 28th             | 114.3 | 47.1            | 7th               | 67.2 |
| June .      | 54.2  | 44.2     | 57.0      | 63.9      | 51.0      | 68.4             | 26.2              | 42.2             | 12th & 13th.     | 79.7 | 49.7            | 4th             | 30.0 | 93.1  | 96.3      | 104.2     | 106.5            | 24.5              | 82.0             | 19th             | 112.5 | 40.3            | 4th               | 72.2 |
| July .      | 62.5  | 51.6     | 67.1      | 73.0      | 58.2      | 77.4             | 27.4              | 50.0             | 26th             | 84.8 | 38.3            | 8th & 18th.     | 46.5 | 92.1  | 93.8      | 100.5     | 102.9            | 19.3              | 83.6             | 2nd              | 114.8 | 40.6            | 15th, 16th & 28th | 74.2 |
| August .    | 61.9  | 50.6     | 66.7      | 73.2      | 57.0      | 78.0             | 28.5              | 49.5             | 15th             | 85.0 | 44.7            | 11th            | 40.3 | 91.2  | 91.6      | 99.9      | 102.3            | 19.8              | 82.5             | 17th & 23rd.     | 106.1 | 25.9            | 26th              | 80.2 |
| September . | 54.6  | 40.5     | 59.6      | 67.7      | 50.4      | 70.6             | 30.6              | 40.0             | 3rd              | 81.9 | 47.3            | 19th            | 34.6 | 88.7  | 90.0      | 99.8      | 101.8            | 24.3              | 77.5             | 3rd              | 108.1 | 36.9            | 30th              | 71.2 |
| October .   | 43.9  | 31.9     | 48.5      | 56.6      | 38.4      | 59.6             | 28.5              | 31.1             | 1st              | 73.8 | 50.3            | 31st            | 23.5 | 78.9  | 82.9      | 94.1      | 96.0             | 32.3              | 63.7             | 2nd              | 104.1 | 49.7            | 30th              | 54.4 |
| November .  | 33.7  | 22.7     | 38.1      | 45.0      | 29.1      | 49.4             | 27.8              | 21.6             | 4th              | 55.9 | 40.9            | 28th            | 15.0 | 66.9  | 69.6      | 81.3      | 83.1             | 30.7              | 52.4             | 4th, 6th & 7th.  | 90.6  | 46.1            | 28th              | 44.5 |
| December .  | 26.9  | 18.3     | 29.1      | 35.4      | 24.8      | 39.8             | 17.3              | 22.5             | 9th              | 50.1 | 43.8            | 31st            | 6.3  | 57.5  | 58.0      | 71.8      | 73.9             | 30.7              | 43.2             | 6th & 7th        | 81.1  | 47.7            | 29th & 30th.      | 33.4 |
| Year .      | 41.5  | 31.6     | 44.7      | 51.3      | 38.2      | 55.1             | 24.5              | 30.6             | ...              | 85.0 | 86.5            | ..              | -1.5 | 76.7  | 79.4      | 88.5      | 90.5             | 25.7              | 64.7             | ...              | 114.8 | 81.4            | ...               | 33.4 |

\* Mean of 30 days.

† Mean of 29 days.

‡ Mean of 30 days.

## 7. DERA ISMAIL KHAN (corrected).

## 8. PESHAWAR (corrected).

| MONTH.      | Mean. | 10 hours. | 16 hours. | Mean of Maximum. | Mean daily range. | Mean of Minimum. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maximum. | Mean daily range. | Mean of Minimum. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-------------|-------|-----------|-----------|------------------|-------------------|------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|------------------|-------------------|------------------|------------------|-------|-----------------|-----------------|------|
|             |       |           |           |                  |                   |                  | Day.             | o     |                 | Day.            | o    |       |           |           |                  |                   |                  | Day.             | o     |                 | Day.            | o    |
| January .   | 53.4  | 52.4      | 63.7      | 66.1             | 23.0              | 43.1             | 11th             | 77.7  | 44.7            | 1st & 2nd       | 33.0 | 49.7  | 51.6      | 58.1      | 61.3             | 20.0              | 41.3             | 10th & 11th      | 73.2  | 42.3            | 2nd             | 30.9 |
| February .  | 54.6  | 55.2      | 66.2      | 69.0             | 26.1              | 42.9             | 27th             | 81.7  | 52.7            | 3rd             | 29.0 | 49.5  | 52.8      | 59.2      | 62.0             | 22.2              | 39.8             | 24th             | 74.6  | 44.6            | 11th            | 30.0 |
| March .     | 66.1  | 68.6      | 76.5      | 79.3             | 23.6              | 55.7             | 15th             | 87.6  | 43.8            | 2nd             | 43.8 | 61.2  | 64.8      | 70.3      | 72.7             | 20.6              | 52.1             | 23rd             | 81.1  | 40.4            | 1st             | 40.7 |
| April .     | 76.9  | 82.2      | 92.4      | 94.9             | 33.5              | 61.4             | 29th             | 108.5 | 64.7            | 2nd             | 43.8 | 68.8  | 76.7      | 80.0      | 83.6             | 26.0              | 57.6             | 28th             | 98.5  | 56.3            | 1st             | 42.2 |
| May .       | 87.8  | 92.3      | 100.8     | 103.6            | 28.8              | 74.8             | 24th             | 114.5 | 52.7            | 17th            | 61.8 | 81.9  | 88.7      | 94.0      | 95.9             | 26.1              | 69.8             | 24th             | 109.7 | 51.0            | 18th            | 58.7 |
| June .      | 92.7  | 95.3      | 104.9     | 107.2            | 26.7              | 80.5             | 13th             | 117.5 | 53.7            | 3rd & 4th       | 63.8 | 89.3  | 95.3      | 102.1     | 104.1            | 27.7              | 76.4             | 12th             | 112.0 | 48.2            | 4th             | 63.8 |
| July .      | 91.1  | 92.3      | 99.6      | 102.1            | 19.5              | 82.6             | 1st              | 112.5 | 38.7            | 16th & 23th.    | 73.8 | 91.2  | 93.8      | 100.7     | 102.6            | 21.0              | 81.6             | 8th              | 111.2 | 39.3            | 31st            | 71.9 |
| August .    | 91.5  | 91.4      | 101.0     | 102.8            | 20.8              | 82.0             | 31st             | 109.5 | 32.6            | 8th             | 76.9 | 88.0  | 93.9      | 97.5      | 100.0            | 21.6              | 78.4             | 31st             | 105.0 | 31.1            | 8th             | 73.9 |
| September . | 89.0  | 90.8      | 101.9     | 103.8            | 27.8              | 76.0             | 5th              | 108.5 | 41.7            | 30th            | 66.8 | 82.9  | 88.8      | 94.5      | 97.7             | 26.4              | 71.3             | 2nd              | 104.0 | 44.5            | 29th & 30th     | 59.5 |
| October .   | 77.6  | 80.9      | 93.6      | 95.7             | 34.1              | 61.6             | 1st & 2nd        | 102.5 | 53.7            | 31st            | 48.8 | 73.0  | 78.7      | 87.4      | 89.5             | 31.0              | 58.5             | 2nd & 3rd        | 93.0  | 48.7            | 31st            | 46.3 |
| November .  | 64.7  | 66.3      | 80.6      | 83.2             | 34.5              | 48.7             | 1st, 3rd & 6th.  | 89.6  | 49.7            | 28th            | 39.9 | 60.5  | 66.6      | 75.6      | 78.7             | 33.4              | 45.3             | 4th              | 87.1  | 50.8            | 30th            | 36.3 |
| December .  | 56.3  | 55.9      | 70.8      | 73.4             | 31.7              | 41.7             | 7th              | 82.7  | 51.7            | 29th & 30th.    | 31.0 | 52.0  | 56.1      | 63.9      | 67.1             | 27.1              | 40.0             | 7th              | 77.1  | 44.2            | 24th & 29th     | 32.9 |
| Year .      | 75.1  | 77.0      | 87.7      | 90.1             | 27.5              | 62.6             | ...              | 117.5 | 88.5            | ...             | 29.0 | 70.7  | 75.4      | 81.9      | 84.6             | 25.3              | 59.3             | ...              | 112.0 | 82.0            | ...             | 30.0 |

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

## 9. MURREE (corrected).

## 10. RAWALPINDI (corrected).

| MONTH.    | Mean. | to hours. | to hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXI-<br>MUM. |      | Absolute range. | LOWEST MINIMUM. |      | Mean. | to hours. | to hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|-----------------------|------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.                  | o    |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |
| January . | 38.3  | 41.9      | 41.1      | 45.3                 | 9.8                  | 35.5*                | 7th                   | 58.4 | 32.7            | 26th            | 25.7 | 48.9  | 51.5      | 57.1      | 60.4                 | 19.7                 | 40.7                 | 12th             | 70.8  | 39.3            | 1st             | 31.5 |
| February  | 34.5  | 39.7      | 38.2      | 43.3                 | 12.6                 | 30.7                 | 25th                  | 59.4 | 42.7            | 3rd             | 16.7 | 48.4  | 50.9      | 57.1      | 60.1                 | 20.5                 | 39.6                 | 27th             | 75.0  | 44.1            | 3rd & 4th       | 30.9 |
| March .   | 44.9  | 49.7      | 49.0      | 53.9                 | 13.1                 | 40.8                 | 15th                  | 64.4 | 31.7            | 8th & 30th      | 32.7 | 60.4  | 64.7      | 69.4      | 72.3                 | 20.9                 | 51.4                 | 24th             | 80.5  | 40.3            | 5th             | 40.2 |
| April .   | 55.7  | 62.1      | 62.0      | 67.0                 | 17.6                 | 49.4                 | 28th                  | 82.5 | 53.8            | 1st             | 28.7 | 70.6  | 77.3      | 83.8      | 86.6                 | 29.2                 | 57.4                 | 27th             | 102.0 | 58.0            | 3rd             | 44.0 |
| May .     | 64.3  | 69.0      | 70.4      | 74.0                 | 15.8                 | 58.2                 | 23rd                  | 82.8 | 40.7            | 7th             | 42.1 | 80.1  | 88.2      | 93.2      | 97.0                 | 30.1                 | 66.9                 | 24th             | 107.0 | 50.6            | 17th            | 56.4 |
| June .    | 70.6  | 74.5      | 77.2      | 80.9                 | 16.9                 | 64.0                 | 13th                  | 91.3 | 36.5            | 3rd             | 54.8 | 86.1  | 93.6†     | 99.1†     | 101.6†               | 28.5                 | 73.1‡                | 12th             | 113.6 | 55.7            | 2nd             | 57.9 |
| July .    | 67.0  | 70.3      | 71.6      | 74.8                 | 12.5                 | 62.3                 | 8th                   | 82.4 | 25.6            | 22nd            | 56.8 | ?     | 88.7      | 94.1      | 96.1                 | ?                    | Not re-<br>corded.   | 8th              | 107.7 | ?               | ...             | ?    |
| August .  | 65.8  | 69.2      | 71.0      | 74.2                 | 13.7                 | 60.5                 | 30th                  | 78.6 | 22.8            | 8th & 19th      | 55.8 | 84.0  | 85.9      | 92.2      | 93.8                 | 18.1                 | 75.7§                | 30th             | 99.2  | 28.5            | 18th            | 70.7 |
| September | 65.1  | 70.7      | 71.8      | 75.5                 | 17.1                 | 58.4                 | 23rd                  | 78.6 | 34.0            | 17th            | 44.6 | 81.8  | 88.1      | 93.0      | 96.6                 | 26.0                 | 70.6                 | 23rd             | 100.5 | 41.4            | 30th            | 59.1 |
| October . | 59.2  | 64.7      | 64.1      | 69.0                 | 14.7                 | 54.3                 | 1st & 3rd             | 74.4 | 30.8            | 7th             | 43.6 | 71.4  | 79.1      | 85.4      | 89.1                 | 31.8                 | 57.3                 | 16th             | 98.9  | 52.9            | 30th & 31st     | 46.0 |
| November  | 51.1  | 57.9      | 55.1      | 62.9                 | 15.8                 | 47.1                 | 4th                   | 72.4 | 35.6            | 25th            | 36.8 | 58.9  | 66.2      | 74.4      | 78.8                 | 35.5                 | 43.3                 | 5th              | 86.3  | 51.4            | 30th            | 34.9 |
| December  | 41.6  | 47.6      | 44.7      | 51.1                 | 12.7                 | 38.4                 | 7th                   | 66.8 | 41.1            | 28th            | 25.7 | 50.2  | 54.9      | 62.1      | 66.3                 | 28.1                 | 38.2                 | 7th              | 79.0  | 47.1            | 30th            | 31.9 |
| Year .    | 54.8  | 59.8      | 59.7      | 64.3                 | 14.4                 | 50.0                 | ...                   | 91.3 | 74.6            | ...             | 16.7 | ?     | 74.1      | 80.1      | 83.2                 | ?                    | ?                    | ...              | 113.6 | 82.7            | ...             | 30.9 |

\* Mean of 26 days.

† Mean of 29 days.

‡ Mean of 27 days.

§ Mean of 22 days.

## 11. SIALKOT (corrected).

## 12A. LAHORE (NEW) (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXI-<br>MUM. |       | Absolute range. | LOWEST MINIMUM |      | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|-----------------------|-------|-----------------|----------------|------|-------|----------|-----------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.                  | o     |                 | Day.           | o    |       |          |           |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |
| January . | 53°0  | 53°5      | 61°5      | 63°6                 | 19°1                 | 44°5                 | 18th                  | 74°3  | 37°5            | 1st            | 36°8 | 53°3  | 46°2     | 55°2      | 61°9      | 49°7      | 63°8                 | 19°9                 | 43°9                 | 11th             | 71°5  | 37°1            | 1st             | 34°4 |
| February  | 54°4  | 56°1      | 65°2      | 67°6                 | 24°1                 | 43°5                 | 27th                  | 82°3  | 49°4            | 4th            | 32°9 | 55°1  | 45°5     | 58°4      | 66°1      | 50°5      | 68°0                 | 25°1                 | 42°9                 | 28th             | 82°4  | 49°2            | 11th            | 33°2 |
| March .   | 64°7  | 68°7      | 73°7      | 75°9                 | 20°3                 | 55°6                 | 24th                  | 83°9  | 38°7            | 4th            | 45°2 | 66°4  | 57°5     | 70°6      | 75°5      | 62°1      | 77°0                 | 22°1                 | 54°9                 | 24th             | 86°3  | 42°0            | 5th             | 44°3 |
| April .   | 78°1  | 84°9      | 91°5      | 94°0                 | 29°4                 | 64°6                 | 28th                  | 110°5 | 61°3            | 3rd & 4th      | 49°2 | 79°5  | 66°0     | 86°4      | 92°7      | 72°3      | 95°1                 | 32°5                 | 62°6                 | 27th&28th        | 109°1 | 61°3            | 2nd & 4th       | 47°8 |
| May .     | 86°2  | 92°0      | 99°1      | 101°3                | 28°1                 | 73°2                 | 25th                  | 111°0 | 47°8            | 7th            | 63°2 | 87°3  | 73°9     | 93°9      | 99°6      | 81°7      | 101°8                | 30°3                 | 71°5                 | 24th             | 111°7 | 49°7            | 18th            | 62°0 |
| June .    | 89°4  | 93°8      | 100°2     | 102°4                | 23°8                 | 78°6                 | 13th                  | 117°9 | 49°3            | 25th           | 68°6 | 90°6  | 81°0     | 93°8      | 100°5     | 87°1      | 102°3                | 23°2                 | 79°1                 | 12th             | 115°9 | 51°4            | 3rd             | 64°5 |
| July .    | 85°3  | 86°8      | 91°9      | 93°7                 | 15°0                 | 78°7                 | 8th                   | 104°5 | 31°9            | 3rd            | 72°6 | 86°7  | 81°6     | 86°8      | 92°9      | 85°4      | 94°2                 | 14°6                 | 79°6                 | 10th             | 104°9 | 34°0            | 27th            | 70°9 |
| August .  | 84°5  | 86°6      | 92°0      | 94°2                 | 17°2                 | 77°0                 | 15th                  | 101°5 | 31°4            | 10th           | 70°1 | 87°1  | 80°5     | 89°2      | 94°8      | 83°9      | 96°9                 | 18°2                 | 78°7                 | 15th&30th        | 103°6 | 31°7            | 10th            | 71°9 |
| September | 85°5  | 89°5      | 96°7      | 98°8                 | 24°5                 | 74°3                 | 27th                  | 103°0 | 38°3            | 30th           | 64°7 | 87°0  | 76°2     | 92°0      | 98°8      | 81°2      | 100°8                | 26°5                 | 74°3                 | 4th & 11th       | 103°6 | 40°6            | 30th            | 63°0 |
| October . | 76°1  | 80°0      | 88°3      | 91°3                 | 27°5                 | 63°8                 | 2nd                   | 100°1 | 49°8            | 31st           | 50°3 | 75°8  | 63°5     | 82°5      | 88°7      | 68°5      | 91°5                 | 30°2                 | 61°3                 | 2nd              | 100°1 | 49°1            | 29th & 30th     | 51°0 |
| November  | 63°7  | 68°2      | 77°5      | 81°5                 | 31°6                 | 49°9                 | 1st & 5th             | 87°6  | 47°5            | 30th           | 40°1 | 64°5  | 51°3     | 72°0      | 78°6      | 56°0      | 82°1                 | 33°4                 | 48°7                 | 1st & 5th        | 89°1  | 50°0            | 29th & 30th     | 39°1 |
| December  | 54°9  | 56°6      | 66°8      | 69°9                 | 27°0                 | 42°9                 | 4th                   | 78°2  | 41°2            | 30th & 31st    | 37°0 | 56°0  | 44°4     | 61°5      | 68°9      | 49°3      | 72°3                 | 30°9                 | 41°4                 | 7th              | 81°0  | 48°8            | 30th & 31st     | 32°2 |
| Year .    | 73°0  | 76°4      | 83°7      | 86°2                 | 24°0                 | 62°2                 | ...                   | 117°9 | 85°0            | ...            | 32°9 | 74°1  | 64°0     | 78°5      | 84°9      | 69°0      | 87°2                 | 25°6                 | 61°6                 | ...              | 115°9 | 83°7            | ...             | 32°2 |

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

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## 12B. LAHORE (OLD) (corrected).

## 13. LUDHIANA (corrected).

| MONTH.      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-------------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|             |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |
| January .   | 53.9  | 55.7      | 61.8      | 63.8                 | 18.3                 | 45.5                 | 11th             | 70.8  | 34.0            | 1st             | 36.8 | 54.0  | 56.4      | 61.8      | 64.7                 | 18.5                 | 46.2                 | 13th             | 70.3  | 32.1            | 9th             | 38.2 |
| February .  | 55.8  | 58.1      | 65.8      | 67.9                 | 22.8                 | 45.1                 | 28th             | 82.4  | 47.4            | 4th             | 35.0 | 55.8  | 59.2      | 66.7      | 69.7                 | 24.9                 | 44.8                 | 28th             | 84.7  | 49.8            | 4th             | 34.9 |
| March .     | 67.3  | 70.7      | 75.4      | 77.5                 | 20.5                 | 57.0                 | 24th             | 87.1  | 37.1            | 1st             | 50.0 | 66.8  | 71.2      | 76.4      | 79.2                 | 22.0                 | 57.2                 | 17th             | 88.5  | 42.9            | 5th             | 45.6 |
| April .     | 80.8  | 86.3      | 91.9      | 94.5                 | 28.6                 | 65.9                 | 28th             | 108.9 | 58.6            | 1st             | 50.3 | 79.5  | 88.1      | 93.9      | 97.3                 | 32.2                 | 65.1                 | 29th             | 113.4 | 64.1            | 2nd             | 49.3 |
| May .       | 88.5  | 94.2      | 99.6      | 101.9                | 28.3                 | 73.6                 | 24th             | 111.7 | 46.3            | 17th            | 65.4 | 85.9  | 91.8      | 97.9      | 101.9                | 28.1                 | 73.8                 | 25th             | 111.6 | 49.6            | 17th            | 62.0 |
| June .      | 91.7  | 94.3      | 101.2     | 102.6                | 22.3                 | 80.3                 | 12th             | 117.7 | 49.6            | 4th             | 68.1 | 89.9  | 94.3      | 100.3     | 103.9                | 24.5                 | 79.4                 | 12th             | 116.3 | 49.3            | 4th             | 67.0 |
| July .      | 86.9  | 87.2      | 93.4      | 94.1                 | 14.0                 | 80.1                 | 8th              | 105.5 | 33.7            | 3rd             | 71.8 | 86.0  | 87.5      | 92.4      | 95.2                 | 15.7                 | 79.5                 | 1st              | 103.3 | 30.3            | 27th            | 73.0 |
| August .    | 87.6  | 89.9      | 94.4      | 96.4                 | 17.3                 | 79.1                 | 15th             | 103.5 | 30.2            | 10th            | 73.3 | 85.8  | 87.6      | 92.9      | 96.4                 | 17.8                 | 78.6                 | 14th & 30th      | 101.8 | 28.2            | 2nd             | 73.6 |
| September . | 87.9  | 92.5      | 97.7      | 100.7                | 24.8                 | 75.9                 | 4th              | 103.5 | 37.6            | 30th            | 65.9 | 86.0  | 90.0      | 96.7      | 100.0                | 24.7                 | 75.3                 | 11th & 22nd      | 102.8 | 32.8            | 22nd            | 70.0 |
| October .   | 76.5  | 82.3      | 87.4      | 90.9                 | 27.7                 | 63.2                 | 2nd              | 99.4  | 45.7            | 30th            | 53.7 | 75.3  | 80.5      | 87.1      | 90.6                 | 27.1                 | 63.5                 | 1st              | 100.8 | 46.5            | 30th            | 54.3 |
| November .  | 66.0  | 72.0      | 78.6      | 82.6                 | 31.3                 | 51.3                 | 5th              | 89.3  | 47.6            | 30th            | 41.7 | 64.4  | 71.4      | 77.6      | 82.9                 | 31.8                 | 51.1                 | 2nd              | 89.5  | 45.9            | 30th            | 43.6 |
| December .  | 57.5  | 61.2      | 69.4      | 72.5                 | 28.2                 | 44.3                 | 7th              | 81.2  | 46.4            | 31st            | 34.8 | 56.5  | 61.5      | 68.0      | 72.6                 | 27.6                 | 45.0                 | 6th              | 76.7  | 37.7            | 31st            | 39.0 |
| Year .      | 75.0  | 78.7      | 84.7      | 87.1                 | 23.7                 | 63.4                 | ...              | 117.7 | 82.9            | ...             | 34.8 | 73.8  | 78.3      | 84.3      | 87.9                 | 24.6                 | 63.3                 | ...              | 116.3 | 81.4            | ...             | 34.9 |

## 14. CHAMBA (corrected).

## 15. KAILANG (corrected).

| MONTH.      | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-------------|-------|----------|-----------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|             |       |          |           |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |
| January .   | 48.7  | 44.5*    | 48.4      | 54.3      | 47.4      | 57.8                 | 15.2                 | 42.6                 | 11th             | 70.3  | 36.8            | 5th             | 33.5 | 20.5  | 24.5      | 26.4      | 32.0                 | 17.5                 | 14.5                 | 9th              | 40.0  | 43.0            | 28th            | -3.0 |
| February .  | 48.5  | 42.8     | 48.3      | 56.4      | 46.6      | 59.4                 | 18.0                 | 41.4                 | 27th             | 73.1  | 41.4            | 17th            | 31.7 | 20.1  | 24.8      | 27.0      | 31.8                 | 18.6                 | 13.2                 | 22nd & 27th      | 42.7  | 48.1            | 4th             | -5.4 |
| March .     | 57.9  | 52.2     | 59.2      | 64.3      | 55.9      | 68.1                 | 17.4                 | 50.7                 | 15th             | 79.9  | 34.9            | 2nd             | 45.0 | 30.1  | 34.0      | 36.5      | 40.5                 | 16.9                 | 23.6                 | 17th             | 47.3  | 37.0            | 5th             | 10.3 |
| April .     | 66.9  | 57.7     | 68.9      | 77.1      | 63.8      | 80.4                 | 24.4                 | 56.0                 | 28th             | 94.9  | 52.5            | 2nd             | 42.4 | 36.8  | 40.4      | 44.3      | 48.0                 | 18.8                 | 29.2                 | 30th             | 61.6  | 43.6            | 4th             | 18.0 |
| May .       | 72.2  | 63.4     | 75.0      | 81.2      | 69.2      | 86.2*                | 24.7                 | 61.5                 | 25th             | 95.2  | 43.3            | 17th            | 51.9 | 46.4  | 52.5      | 56.0      | 61.3                 | 24.5                 | 36.8                 | 27th             | 72.5  | 43.5            | 16th            | 29.0 |
| June .      | 79.2  | 70.0     | 82.0      | 88.9      | 75.8      | 92.6                 | 24.1                 | 68.5                 | 13th             | 104.2 | 43.6            | 4th             | 60.6 | 55.0  | 61.8      | 66.8      | 70.9                 | 27.8                 | 43.1                 | 12th             | 81.5  | 48.5            | 4th             | 33.0 |
| July .      | 77.6  | 73.1     | 78.4      | 82.3      | 76.4      | 84.9                 | 12.9                 | 72.0                 | 8th              | 92.3  | 25.0            | 18th            | 67.3 | 60.5  | 65.3      | 69.3      | 74.2†                | 22.5                 | 51.7                 | 8th              | 83.3  | 38.6            | 18th            | 44.7 |
| August .    | 76.3  | 71.4     | 78.3      | 81.1      | 74.3      | 84.9                 | 14.5                 | 70.4                 | 15th             | 88.7  | 25.9            | 11th            | 62.8 | 59.8  | 65.4      | 69.4      | 74.8                 | 24.7                 | 50.1                 | 31st             | 79.5  | 39.4            | 11th            | 40.1 |
| September . | 74.8  | 66.3     | 77.4      | 84.2      | 71.2      | 87.4                 | 22.8                 | 64.6                 | 28th             | 92.2  | 32.4            | 14th & 19th     | 59.8 | 54.3  | 63.6      | 67.0      | 73.1                 | 31.5                 | 41.6                 | 4th              | 181.5 | 45.5            | 25th            | 36.0 |
| October .   | 67.3  | 58.7     | 70.1      | 77.0      | 63.5      | 82.5                 | 25.7                 | 56.8                 | 1st & 19th       | 87.2  | 37.0            | 31st            | 50.2 | 45.6  | 54.2      | 57.3      | 64.1                 | 30.2                 | 33.9                 | 1st              | 78.3  | 51.3            | 29th            | 27.0 |
| November .  | 57.9  | 49.7     | 59.9      | 66.4      | 55.4      | 74.1                 | 26.6                 | 47.5                 | 6th              | 77.3  | 34.3            | 30th            | 43.0 | 38.3  | 44.9      | 49.8      | 57.4                 | 30.7                 | 26.7                 | 4th              | 64.6  | 44.6            | 28th            | 20.0 |
| December .  | 51.5  | 45.5     | 52.0      | 58.7      | 49.7      | 66.2                 | 22.7                 | 43.5                 | 7th              | 77.6  | 43.7            | 29th            | 33.9 | 28.9  | 33.6      | 36.1      | 42.5                 | 20.9                 | 21.6                 | 10th             | 57.2  | 52.7            | 30th            | 4.5  |
| Year .      | 64.9  | 57.9     | 66.5      | 72.7      | 62.4      | 77.0                 | 20.8                 | 56.3                 | ...              | 104.2 | 72.5            | ...             | 31.7 | 41.4  | 47.1      | 50.5      | 55.9                 | 23.7                 | 32.2                 | ...              | 83.3  | 88.7            | ...             | -5.4 |

\* Mean of 29 days.

† Mean of 30 days.

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

## 16. SIMLA (corrected).

## 17. DELHI (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute<br>range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute<br>range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|--------------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|--------------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o    |                    | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o     |                    | Day.            | o    |
| January   | 40.0  | 42.0      | 43.5      | 48.3                 | 11.8                 | 36.5                 | 11th             | 61.4 | 34.0               | 5th             | 27.4 | 59.3  | 60.2      | 67.9      | 69.8                 | 19.1                 | 50.7                 | 24th             | 73.6  | 31.5               | 28th            | 42.1 |
| February  | 40.3  | 41.8      | 45.5      | 50.6                 | 15.6                 | 35.0                 | 27th             | 67.6 | 41.8               | 3rd & 18th      | 25.8 | 61.3  | 63.6      | 72.8      | 74.5                 | 24.7                 | 49.8                 | 27th             | 89.1  | 49.9               | 4th             | 39.2 |
| March     | 47.5  | 50.3      | 52.2      | 57.6                 | 14.8                 | 42.8                 | 17th             | 69.8 | 38.0               | 9th             | 31.8 | 72.0  | 75.3      | 82.6      | 84.8                 | 23.4                 | 61.4                 | 17th             | 96.8  | 43.5               | 10th            | 53.3 |
| April     | 57.8  | 60.7      | 64.5      | 70.0                 | 19.0                 | 51.0                 | 25th             | 84.8 | 49.0               | 3rd & 4th       | 35.8 | 85.4  | 91.2      | 98.9      | 100.7                | 28.8                 | 71.9                 | 28th             | 112.0 | 55.1               | 2nd             | 56.9 |
| May       | 61.8  | 63.9      | 68.1      | 73.6                 | 18.2                 | 55.4                 | 27th             | 86.1 | 39.1               | 16th            | 47.0 | 88.9  | 93.2      | 100.2     | 102.4                | 24.9                 | 77.5                 | 25th             | 112.0 | 46.1               | 16th            | 65.9 |
| June      | 66.1  | 67.9*     | 72.2      | 76.1                 | 16.1                 | 60.0*                | 13th             | 88.7 | 38.4               | 7th             | 50.3 | 90.2  | 93.2      | 97.8      | 102.0                | 19.4                 | 82.6                 | 12th             | 112.5 | 39.4               | 20th            | 73.1 |
| July      | 63.5  | 64.5      | 66.4      | 69.8                 | 9.2                  | 60.6                 | 8th              | 76.8 | 18.4               | 27th            | 58.4 | 84.9  | 86.9      | 89.4      | 92.2                 | 11.9                 | 80.3                 | 1st & 2nd        | 98.5  | 24.4               | 11th            | 74.1 |
| August    | 62.7  | 63.9†     | 65.9      | 69.7                 | 10.2                 | 59.5†                | 8th              | 74.6 | 18.7               | 11th            | 55.9 | 83.8  | 85.2      | 88.8      | 91.9                 | 13.2                 | 78.7                 | 14th             | 98.0  | 22.4               | 7th & 27th      | 75.6 |
| September | 63.6  | 65.1      | 69.6      | 72.6                 | 15.1                 | 57.5                 | 24th to 26th     | 75.1 | 20.7               | 20th            | 54.4 | 85.7  | 88.6      | 94.3      | 96.2                 | 19.2                 | 77.0                 | 22nd             | 100.6 | 27.5               | 22nd            | 73.1 |
| October   | 57.3  | 59.1      | 63.0      | 67.1                 | 15.5                 | 51.6                 | 2nd              | 71.6 | 29.5               | 7th             | 42.1 | 78.8  | 84.3      | 88.8      | 91.8                 | 23.1                 | 68.7                 | 1st              | 97.0  | 36.4               | 24th            | 60.6 |
| November  | 50.9  | 53.4      | 56.7      | 61.3                 | 16.2                 | 45.1                 | 9th              | 64.7 | 23.9               | 23rd & 27th     | 40.8 | 69.3  | 74.3      | 82.1      | 85.0                 | 28.5                 | 56.5                 | 2nd              | 90.3  | 41.2               | 30th            | 49.1 |
| December  | 45.5  | 47.5      | 50.3      | 54.9                 | 14.2                 | 40.7                 | 7th              | 65.3 | 34.5               | 29th            | 30.8 | 61.7  | 64.0      | 72.8      | 75.9                 | 25.4                 | 50.5                 | 4th              | 81.3  | 42.1               | 30th            | 39.2 |
| Year      | 54.8  | 56.7      | 59.8      | 64.3                 | 14.7                 | 49.6                 | ...              | 88.7 | 62.9               | ...             | 25.8 | 76.8  | 80.0      | 86.4      | 88.9                 | 21.8                 | 67.1                 | ...              | 112.5 | 73.3               | ...             | 39.2 |

\* Mean of 29 days.

† Mean of 30 days.

## 18. SIRSA (corrected).

## 19. CHAKRATA (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute<br>range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute<br>range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|--------------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|--------------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o     |                    | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o    |                    | Day.            | o    |
| January   | 56.1  | 58.0*     | 67.5*     | 68.6                 | 23.9                 | 44.7                 | 13th             | 76.4  | 38.9               | 29th            | 37.5 | 41.4  | 44.5      | 43.1      | 49.1                 | 13.3                 | 35.8                 | 11th             | 61.3 | 34.2               | 5th             | 27.1 |
| February  | 58.2  | 64.†      | 72.9†     | 73.2                 | 29.8                 | 43.4                 | 27th             | 88.7  | 56.0               | 4th             | 32.7 | 42.8  | 45.4      | 46.6      | 50.4                 | 14.9                 | 35.5                 | 25th             | 65.3 | 40.7               | 3rd             | 24.6 |
| March     | 70.0  | 75.3      | 83.0      | 85.8                 | 28.8                 | 57.0                 | 17th             | 100.5 | 52.6               | 2nd             | 47.9 | 48.6  | 53.3      | 52.2      | 57.6                 | 16.4                 | 41.2                 | 18th & 19th      | 68.3 | 37.2               | 7th             | 31.1 |
| April     | 82.7  | 91.4      | 98.2      | 100.9                | 33.8                 | 67.1                 | 27th             | 112.1 | 60.8               | 2nd & 4th       | 51.3 | 60.3  | 64.5      | 66.1      | 68.4                 | 17.1                 | 51.3                 | 27th             | 78.6 | 42.5               | 3rd             | 36.1 |
| May       | 89.7  | 96.3      | 102.6     | 105.9                | 29.2                 | 76.7                 | 25th             | 117.0 | 52.8               | 17th            | 64.2 | 60.7  | 64.3      | 64.5      | 69.1                 | 15.1                 | 54.0                 | 5th              | 80.3 | 37.6               | 17th            | 42.7 |
| June      | 91.2  | 94.7      | 101.4     | 104.6                | 23.7                 | 80.9                 | 12th             | 116.2 | 49.7               | 4th             | 66.5 | 66.1  | 69.3      | 70.0      | 73.8                 | 15.4                 | 58.4                 | 13th             | 82.3 | 33.1               | 7th             | 49.2 |
| July      | 87.8  | 90.1      | 94.7      | 98.3                 | 17.4                 | 80.9                 | 1st              | 111.2 | 38.5               | 4th             | 72.7 | 64.2  | 65.4      | 66.5†     | 69.7                 | 9.2                  | 60.5                 | 8th              | 73.3 | 15.0               | 3rd             | 58.3 |
| August    | 87.6  | 90.6      | 96.1      | 99.7                 | 20.7                 | 79.0                 | 30th             | 107.0 | 33.9               | 11th            | 73.1 | 63.9  | 65.0      | 65.5§     | 68.9                 | 9.2                  | 59.7                 | 1st              | 79.1 | 12.3               | 11th & 17th     | 56.8 |
| September | 89.0  | 92.6      | 101.4     | 103.5                | 26.9                 | 76.6                 | 4th              | 106.6 | 39.6               | 29th            | 67.0 | 63.6  | 66.0      | 65.7      | 69.7                 | 11.9                 | 57.8                 | 8th & 21st       | 72.3 | 18.0               | 19th            | 54.3 |
| October   | 79.0  | 86.1      | 93.1      | 96.3                 | 32.2                 | 64.1                 | 2nd              | 102.5 | 50.5               | 31st            | 52.0 | 58.9  | 62.7      | 62.6      | 67.2                 | 14.8                 | 52.4                 | 19th             | 73.3 | 28.1               | 30th            | 45.2 |
| November  | 66.9  | 73.6      | 83.2      | 85.7                 | 35.1                 | 50.6                 | 9th              | 92.8  | 49.1               | 28th            | 43.7 | 51.1  | 56.0      | 54.0      | 60.5                 | 15.5                 | 45.0                 | 25th             | 68.6 | 26.4               | 27th & 28th     | 42.2 |
| December  | 59.0  | 63.8      | 73.6      | 76.3                 | 31.9                 | 44.4                 | 3rd              | 82.7  | 48.8               | 29th            | 33.9 | 47.3  | 51.4      | 49.1      | 55.8                 | 15.1                 | 40.7                 | 7th              | 65.3 | 33.2               | 28th & 30th     | 32.1 |
| Year      | 76.4  | 81.4      | 89.0      | 91.6                 | 27.8                 | 63.8                 | ...              | 117.0 | 84.3               | ...             | 32.7 | 55.7  | 59.0      | 58.8      | 63.4                 | 14.0                 | 49.4                 | ...              | 82.3 | 57.7               | ...             | 24.6 |

\* Mean of 23 days.

† " " 21 "

† Mean of 28 days.

§ " " 30 "



TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

65

20 A. DEHRA (corrected).

20 B. DEHRA FOREST SCHOOL (corrected).

| MONTH.    | Mean. | 9-30 hours. | 15-30 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |     | Absolute range. | LOWEST MINIMUM. |     |
|-----------|-------|-------------|--------------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-----|-----------------|-----------------|-----|
|           |       |             |              |                      |                      |                      | Day.             | o     |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o   |                 | Day.            | o   |
| January   | 53'4  | 52'2        | 62'0         | 63'8                 | 17'9                 | 45'9                 | 11th             | 68'5  | 28'9            | 5th             | 39'6 | 52'5  | 56'3      | 61'7      | 64'1                 | 20'9                 | 43'2                 | ...              | ... | ...             | ...             | ... |
| February  | 55'0  | 54'0        | 66'9         | 68'1*                | 22'6                 | 45'5                 | 27th             | 77'8  | 42'4            | 4th             | 35'4 | 54'4  | 58'9      | 66'7      | 68'6                 | 26'6                 | 42'0                 | ...              | ... | ...             | ...             | ... |
| March     | 64'0  | 64'9        | 73'1         | 74'5                 | 18'8                 | 55'7†                | 19th             | 82'9  | 36'1            | 11th            | 46'8 | 63'1  | 68'8      | 73'5      | 76'8                 | 24'2                 | 52'6                 | ...              | ... | ...             | ...             | ... |
| April     | 75'7  | 77'8        | 87'4         | 88'5†                | 25'8                 | 62'7                 | 27th             | 92'7  | 49'1            | 4th             | 48'6 | 72'8  | 81'8      | 87'5      | 89'3                 | 31'2                 | 58'1                 | ...              | ... | ...             | ...             | ... |
| May       | 78'8  | 81'9        | 87'4         | 89'7                 | 20'7                 | 69'0                 | 5th              | 98'2  | 39'5            | 17th            | 58'7 | 76'7  | 84'1      | 87'4      | 90'6                 | 24'7                 | 65'9                 | ...              | ... | ...             | ...             | ... |
| June      | 83'1  | 85'4        | 90'4         | 91'8                 | 17'8                 | 74'0                 | 13th             | 102'0 | 39'1            | 4th             | 62'9 | 81'0  | 86'1      | 89'7      | 92'6                 | 20'4                 | 72'2                 | ...              | ... | ...             | ...             | ... |
| July      | 79'3  | 80'1        | 83'1         | 85'4†                | 10'5                 | 74'9                 | 1st              | 89'2  | 18'8            | 15th            | 70'4 | 78'1  | 81'3      | 82'2      | 87'0                 | 13'0                 | 74'0                 | ...              | ... | ...             | ...             | ... |
| August    | 77'5  | 77'9        | 81'9         | 83'1                 | 9'8                  | 73'3                 | 13th             | 88'0  | 17'9            | 12th            | 70'1 | 77'2  | 79'5      | 81'7      | 85'6                 | 12'9                 | 72'7                 | ...              | ... | ...             | ...             | ... |
| September | 77'3  | 78'0        | 84'0         | 84'8                 | 14'1                 | 70'7                 | 25th             | 86'8  | 20'4            | 19th            | 66'4 | 77'0  | 81'2      | 84'6      | 87'2                 | 17'8                 | 69'4                 | ...              | ... | ...             | ...             | ... |
| October   | 70'6  | 72'1        | 79'4         | 80'9                 | 18'6                 | 62'3                 | 1st              | 85'5  | 31'8            | 30th            | 53'7 | 69'8  | 79'0      | 80'3      | 83'8                 | 24'6                 | 59'2                 | ...              | ... | ...             | ...             | ... |
| November  | 62'1  | 63'1        | 72'6         | 74'0                 | 20'9                 | 53'1                 | 6th              | 77'5  | 33'0            | 28th            | 44'5 | 60'3  | 68'8      | 72'7      | 76'7                 | 28'8                 | 47'9                 | ...              | ... | ...             | ...             | ... |
| December  | 56'7  | 56'7        | 67'1         | 67'9                 | 20'5                 | 47'4                 | 27th             | 72'7  | 31'7            | 30th            | 41'0 | 54'3  | 60'6      | 66'1      | 69'7                 | 27'3                 | 42'4                 | ...              | ... | ...             | ...             | ... |
| Year      | 69'5  | 70'3        | 77'9         | 79'4                 | 18'2                 | 61'2                 | ...              | 102'0 | 66'6            | ...             | 35'4 | 68'1  | 73'9      | 77'8      | 81'0                 | 22'7                 | 58'3                 | ...              | ... | ...             | ...             | ... |

\* Mean of 27 days.

† " " 28 "

‡ Mean of 30 days.

21. MUSSOOREE TRIGL. S. O. (corrected).

22. ROORKEE (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM.         |       | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|--------------------------|-------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o    |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.                     | o     |                 | Day.            | o    |
| January   | ...   | ...       | ...       | ...                  | ...                  | ...                  | ...              | ...  | ...             | ...             | ...  | 56'5  | 57'0      | 64'6      | 67'4                 | 19'6                 | 47'8                 | 24th                     | 73'4  | 32'8            | 1st             | 40'6 |
| February  | ...   | ...       | ...       | ...                  | ...                  | ...                  | ...              | ...  | ...             | ...             | ...  | 58'0  | 59'4      | 70'0      | 72'3                 | 26'3                 | 46'0                 | 27th                     | 86'2  | 50'8            | 4th & 11th      | 36'4 |
| March     | ...   | ...       | ...       | ...                  | ...                  | ...                  | ...              | ...  | ...             | ...             | ...  | 69'6  | 72'6      | 80'2      | 82'0                 | 24'0                 | 58'0                 | 30th                     | 91'2  | 44'4            | 5th             | 46'8 |
| April     | ...   | ...       | ...       | ...                  | ...                  | ...                  | ...              | ...  | ...             | ...             | ...  | 81'6  | 87'4      | 94'8      | 97'5                 | 33'9                 | 63'6                 | 27th                     | 108'7 | 60'4            | 3rd             | 48'3 |
| May       | ...   | ...       | ...       | ...                  | ...                  | ...                  | ...              | ...  | ...             | ...             | ...  | 85'0  | 89'8      | 94'4      | 98'4                 | 25'2                 | 73'2                 | 5th                      | 108'2 | 44'8            | 17th            | 63'4 |
| June      | ...   | ...       | ...       | ...                  | ...                  | ...                  | ...              | ...  | ...             | ...             | ...  | 88'8  | 91'5      | 97'9      | 100'1                | 22'5                 | 77'6                 | 12th & 14th.             | 112'5 | 48'1            | 4th & 5th       | 64'4 |
| July      | ...   | ...       | ...       | ...                  | ...                  | ...                  | ...              | ...  | ...             | ...             | ...  | 84'5  | 86'4      | 89'0      | 92'8                 | 14'4                 | 78'4                 | 1st                      | 98'2  | 26'5            | 15th            | 71'7 |
| August    | ...   | ...       | ...       | ...                  | ...                  | ...                  | ...              | ...  | ...             | ...             | ...  | 83'1  | 84'6      | 88'7      | 91'4                 | 14'4                 | 77'0                 | 14th                     | 98'2  | 24'5            | 12th            | 73'7 |
| September | ...   | ...       | ...       | ...                  | ...                  | ...                  | ...              | ...  | ...             | ...             | ...  | 83'2  | 85'6      | 91'3      | 93'4                 | 19'5                 | 73'9                 | 22nd, 26th, 27th & 30th. | 96'2  | 27'9            | 20th            | 68'3 |
| October   | ...   | ...       | ...       | ...                  | ...                  | ...                  | ...              | ...  | ...             | ...             | ...  | 75'7  | 81'0      | 86'4      | 89'6                 | 26'5                 | 63'1                 | 1st & 2nd                | 95'6  | 44'8            | 30th & 31st.    | 50'8 |
| November  | ...   | ...       | ...       | ...                  | ...                  | ...                  | ...              | ...  | ...             | ...             | ...  | 65'1  | 70'8      | 77'4      | 81'5                 | 30'9                 | 50'6                 | 2nd, 3rd, 5th & 7th.     | 85'6  | 44'6            | 30th            | 41'0 |
| December  | 44'2  | 49'9      | 47'3      | 54'6                 | 13'6                 | 41'0                 | 7th              | 66'6 | 34'1            | 30th            | 32'5 | 58'0  | 60'4      | 70'3      | 73'6                 | 28'5                 | 45'1                 | 27th                     | 79'6  | 43'8            | 31st            | 35'8 |
| Year      | ...   | ...       | ...       | ...                  | ...                  | ...                  | ...              | ...  | ...             | ...             | ...  | 74'1  | 77'2      | 83'8      | 86'7                 | 23'8                 | 62'9                 | ...                      | 112'5 | 76'7            | ...             | 35'8 |

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

23. RANIKHET (*corrected*).24. PITHORAGARH (*corrected*).

| MONTH.      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      |
|-------------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|
|             |       |           |           |                      |                      |                      | Day.             | o    |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o    |                 | Day.            | o    |
| January .   | 45.2  | 47.1      | 49.6      | 54.5                 | 14.8                 | 39.7                 | 10th             | 64.6 | 34.1            | 4th & 5th       | 30.5 | 48.8  | 50.4      | 55.6      | 58.5                 | 17.2                 | 41.3                 | 10th             | 67.0 | 34.1            | 5th             | 32.9 |
| February .  | 48.1  | 49.4      | 52.8      | 57.0                 | 15.7                 | 41.3                 | 25th             | 68.6 | 37.6            | 3rd             | 31.0 | 52.4  | 53.6      | 59.7      | 61.6                 | 19.0                 | 42.6                 | 26th             | 73.5 | 40.7            | 4th             | 32.8 |
| March .     | 52.3  | 54.8      | 56.8      | 61.2                 | 15.2                 | 46.0                 | 19th             | 70.5 | 37.0            | 10th            | 33.5 | 56.0  | 58.2      | 62.4      | 65.0                 | 16.9                 | 48.1                 | 16th             | 73.4 | 34.5            | 11th            | 38.9 |
| April .     | 64.8  | 67.8      | 70.1      | 73.6                 | 17.8                 | 55.8                 | 26th             | 85.0 | 43.5            | 2nd & 3rd       | 41.5 | 66.6  | 68.8      | 74.9      | 76.5                 | 21.0                 | 55.5                 | 26th             | 86.7 | 43.8            | 4th             | 43.4 |
| May .       | 64.1  | 68.2      | 69.6      | 74.3                 | 19.9                 | 54.4                 | 5th              | 82.0 | 36.5            | 29th            | 45.5 | 65.9  | 68.6      | 71.5      | 76.9                 | 19.2                 | 57.7                 | 5th              | 84.8 | 36.0            | 12th & 18th.    | 48.8 |
| June .      | 68.7  | 71.2      | 74.3      | 78.5                 | 17.2                 | 61.3                 | 14th             | 86.1 | 37.1            | 4th             | 49.0 | 71.7  | 73.1      | 78.4      | 80.8                 | 16.5                 | 64.3                 | 14th             | 88.7 | 33.3            | 8th             | 55.4 |
| July .      | 68.2  | 70.6      | 71.2      | 75.0                 | 12.2                 | 62.8                 | 8th & 9th        | 79.0 | 19.5            | 22nd & 27th.    | 60.5 | 72.1  | 72.6      | 77.3      | 79.8                 | 13.4                 | 66.4                 | 8th              | 83.9 | 29.8            | 27th            | 64.1 |
| August .    | 66.1  | 67.8      | 68.6      | 71.8                 | 10.1                 | 61.7                 | 14th             | 75.5 | 16.0            | 11th & 12th.    | 59.5 | 70.4  | 71.5      | 74.1      | 77.0                 | 11.6                 | 65.4                 | 27th             | 80.6 | 29.1            | 12th            | 61.5 |
| September . | 66.6  | 68.9      | 70.5      | 73.7                 | 13.3                 | 60.4                 | 24th             | 76.0 | 18.5            | 26th & 30th.    | 57.5 | 70.1  | 70.4      | 77.0      | 77.9                 | 14.9                 | 63.0                 | 30th             | 79.4 | 19.9            | 25th            | 59.5 |
| October .   | 61.8  | 65.5      | 67.0      | 70.3                 | 15.0                 | 55.3                 | 1st              | 76.0 | 26.5            | 30th            | 49.5 | 65.2  | 67.7      | 73.8      | 75.0                 | 18.3                 | 56.7                 | 19th             | 79.1 | 29.4            | 31st            | 49.7 |
| November .  | 55.7  | 59.2      | 59.9      | 63.8                 | 15.8                 | 48.0                 | 9th              | 66.1 | 21.6            | 22nd            | 44.5 | 59.5  | 61.5      | 67.5      | 70.0                 | 20.6                 | 49.4                 | 5th & 9th        | 72.2 | 28.3            | 28th            | 43.9 |
| December .  | 50.9  | 54.0      | 55.4      | 62.0*                | 18.2                 | 43.8                 | 13th             | 67.1 | 30.1            | 30th            | 37.0 | 53.2  | 55.4      | 60.9      | 64.6                 | 20.8                 | 43.8                 | 13th             | 71.6 | 32.7            | 31st            | 38.9 |
| Year .      | 59.4  | 62.0      | 63.8      | 68.0                 | 15.4                 | 52.5                 | ...              | 86.1 | 55.6            | ...             | 30.5 | 62.7  | 64.3      | 69.4      | 72.0                 | 17.5                 | 54.5                 | ...              | 88.7 | 55.9            | ...             | 32.8 |

\* Mean of 30 days.

25. MEERUT (*corrected*).26. BAREILLY (*corrected*).

| MONTH.      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM.  |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM.   |       | Absolute range. | LOWEST MINIMUM. |      |
|-------------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|------------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|--------------------|-------|-----------------|-----------------|------|
|             |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.             | o    |       |           |           |                      |                      |                      | Day.               | o     |                 | Day.            | o    |
| January .   | 57.3  | 58.6      | 65.7      | 68.8                 | 21.7                 | 47.1                 | 10th             | 75.1  | 37.6            | 1st              | 37.5 | 57.7  | 57.8      | 67.1      | 68.3†                | 20.0                 | 48.3                 | 19th               | 76.7  | 36.1            | 1st & 29th      | 40.6 |
| February .  | 60.0  | 63.0      | 70.9      | 73.4                 | 27.4                 | 46.0                 | 28th             | 86.2  | 49.7            | 4th              | 36.5 | 59.9  | 60.6      | 72.6      | 73.6                 | 26.1                 | 47.5                 | 27th               | 85.2  | 47.6            | 4th & 12th      | 37.6 |
| March .     | 71.0  | 73.9      | 81.0      | 82.8                 | 24.0                 | 58.8                 | 17th             | 91.0  | 40.0            | 2nd, 5th & 11th. | 51.0 | 71.8  | 75.3      | 81.4      | 82.1‡                | 21.5                 | 60.6                 | 19th & 30th        | 91.7  | 39.0            | 6th             | 52.7 |
| April .     | 82.9  | 89.3      | 94.9      | 96.9                 | 30.5                 | 66.4                 | 28th             | 106.8 | 54.8            | 2nd & 3rd        | 52.0 | 81.7  | 87.2      | 95.7      | 97.5                 | 32.4                 | 65.1                 | 27th & 28th        | 107.2 | 54.0            | 3rd             | 53.2 |
| May .       | 86.5  | 90.4      | 96.2      | 97.7                 | 23.3                 | 74.4                 | 5th              | 105.8 | 41.0            | 18th             | 64.8 | 85.2  | 89.2      | 96.1      | 98.6                 | 24.6                 | 74.0                 | 5th                | 106.7 | 39.0            | 19th            | 67.7 |
| June .      | 88.1  | 90.2      | 94.7      | 96.5                 | 17.2                 | 79.3                 | 12th             | 106.8 | 36.1            | 5th              | 70.7 | 87.1  | 88.4      | 95.7      | 98.2‡                | 19.2                 | 79.0                 | 12th & 14th        | 109.2 | 39.6            | 5th             | 69.6 |
| July .      | 85.2  | 86.0      | 88.1      | 90.6                 | 10.4                 | 80.2                 | 2nd              | 96.3  | 22.1            | 27th             | 74.2 | 83.4  | 85.1      | 86.9      | 91.2                 | 12.4                 | 78.8                 | 8th                | 96.2  | 21.6            | 27th            | 74.6 |
| August .    | 83.8  | 84.8      | 87.8      | 90.5                 | 12.5                 | 78.0*                | 14th             | 97.3  | 21.5            | 3rd              | 75.8 | 83.3  | 85.3      | 87.8      | 90.2                 | 11.9                 | 78.3                 | 17th               | 94.8  | 20.8            | 15th            | 74.0 |
| September . | 83.5  | 85.9      | 91.3      | 93.7                 | 19.3                 | 74.4†                | 23rd & 27th.     | 97.3  | 29.6            | 23rd             | 67.7 | 82.7  | 84.4      | 89.8      | 90.8                 | 15.5                 | 75.3                 | 22nd, 26th & 27th. | 94.8  | 23.8            | 13th            | 71.0 |
| October .   | 76.6  | 81.5      | 86.4      | 90.2                 | 25.4                 | 64.8                 | 2nd              | 95.3  | 40.3            | 31st             | 55.0 | 77.2  | 80.9      | 87.6      | 89.1                 | 22.0                 | 67.1                 | 1st                | 93.8  | 37.9            | 31st            | 55.9 |
| November .  | 66.0  | 70.7      | 77.3      | 82.1                 | 30.2                 | 51.9                 | 1st              | 86.4  | 43.3            | 30th             | 43.1 | 67.5  | 71.2      | 81.3      | 82.2‡                | 27.9                 | 54.3                 | 2nd, 3rd & 11th.   | 86.2  | 41.3            | 30th            | 44.9 |
| December .  | 59.3  | 60.8      | 70.1      | 73.9                 | 26.9                 | 47.0                 | 27th             | 79.4  | 40.4            | 30th             | 39.0 | 59.8  | 61.8      | 72.6      | 73.9                 | 26.0                 | 47.9                 | 28th               | 84.2  | 44.3            | 30th            | 39.9 |
| Year .      | 75.0  | 77.9      | 83.7      | 86.4                 | 22.4                 | 64.0                 | ...              | 106.8 | 70.3            | ...              | 36.5 | 74.8  | 77.3      | 84.6      | 86.3                 | 21.6                 | 64.7                 | ...                | 109.2 | 71.6            | ...             | 37.6 |

\* Mean of 30 days.  
† " " 29 "‡ Mean of 29 days.  
§ " " 27 "  
|| " " 30 "

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

67

27. AGRA (corrected).

28. LUCKNOW (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM.      |       | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|-----------------------|-------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.                  | o     |                 | Day.            | o    |
| January   | 62.3  | 62.6      | 72.4      | 73.8                 | 24.1                 | 49.7                 | 19th             | 82.1  | 40.7            | 29th            | 41.4 | 61.3  | 63.0      | 70.9      | 71.7                 | 23.9                 | 47.8                 | 19th                  | 80.7  | 40.4            | 1st & 2nd       | 40.3 |
| February  | 64.6  | 66.0      | 77.6      | 78.2                 | 29.0                 | 49.2                 | 26th to 28th     | 91.4  | 53.5            | 4th             | 37.9 | 64.3  | 66.3      | 76.9      | 77.9                 | 28.3                 | 49.6                 | 28th                  | 91.5  | 50.2            | 5th             | 41.3 |
| March     | 76.9  | 78.1      | 87.7      | 89.4                 | 26.1                 | 63.3                 | 17th             | 99.2  | 46.6            | 2nd             | 52.6 | 76.2  | 80.4      | 87.9      | 88.9                 | 27.7                 | 61.2                 | 30th                  | 100.5 | 46.4            | 5th & 6th       | 54.1 |
| April     | 89.0  | 92.6      | 101.3     | 102.9                | 31.7                 | 71.2                 | 28th             | 112.8 | 57.2            | 3rd             | 55.6 | 86.1  | 92.7      | 99.9      | 100.5                | 32.6                 | 67.9                 | 24th & 28th           | 110.0 | 52.9            | 3rd             | 57.1 |
| May       | 93.3  | 94.5      | 104.0     | 105.5                | 25.5                 | 80.0                 | 25th             | 115.6 | 44.8            | 18th            | 70.8 | 89.1  | 93.0      | 99.2      | 101.5                | 26.5                 | 75.0                 | 3rd                   | 109.7 | 45.7            | 12th            | 64.0 |
| June      | 91.6  | 93.2      | 99.7      | 102.3                | 19.9                 | 82.4                 | 12th             | 113.9 | 48.5            | 19th            | 75.4 | 89.6  | 93.1      | 97.2      | 100.4                | 22.6                 | 77.8                 | 13th                  | 112.0 | 45.0            | 12th*           | 67.0 |
| July      | 85.9  | 86.5      | 89.0      | 91.5                 | 11.2                 | 80.3                 | 15th             | 98.6  | 23.8            | 8th             | 74.8 | 84.1  | 85.4      | 87.6      | 90.6                 | 11.4                 | 79.2                 | 13th                  | 98.9  | 23.1            | 4th & 9th       | 75.8 |
| August    | 84.8  | 85.7      | 87.6      | 90.1                 | 11.5                 | 78.6                 | 14th             | 98.2  | 21.7            | 9th & 12th      | 76.5 | 84.1  | 85.7      | 87.5      | 91.1                 | 12.0                 | 79.1                 | 12th, 13th<br>& 17th. | 95.9  | 19.8            | 2nd             | 76.1 |
| September | 85.7  | 86.9      | 92.8      | 93.9                 | 18.6                 | 75.3                 | 27th             | 99.4  | 29.1            | 28th            | 70.3 | 84.0  | 86.5      | 89.5      | 92.5                 | 16.5                 | 76.0                 | 25th                  | 97.3  | 24.5            | 28th            | 72.8 |
| October   | 82.1  | 84.7      | 90.6      | 92.5*                | 20.8                 | 71.7                 | 1st              | 97.1  | 37.9            | 31st            | 59.2 | 78.9  | 83.4      | 85.8      | 89.4                 | 19.6                 | 69.8                 | 21st                  | 94.0  | 36.1            | 31st            | 57.9 |
| November  | 72.7  | 76.8      | 84.4      | 86.4                 | 29.5                 | 56.9                 | 11th             | 91.9  | 44.3            | 30th            | 47.6 | 69.9  | 77.0      | 80.9      | 84.5                 | 30.0                 | 54.5                 | 1st                   | 89.0  | 44.0            | 30th            | 45.0 |
| December  | 64.3  | 66.7      | 75.9      | 77.8                 | 27.4                 | 50.4                 | 27th             | 83.2  | 42.0            | 30th            | 41.2 | 62.7  | 66.9      | 73.1      | 77.1                 | 28.2                 | 48.9                 | 27th to 29th          | 83.2  | 42.2            | 31st            | 41.0 |
| Year      | 79.4  | 81.2      | 88.6      | 90.4                 | 22.9                 | 67.4                 | ...              | 115.6 | 77.7            | ...             | 37.9 | 77.5  | 81.1      | 86.4      | 88.8                 | 23.3                 | 65.6                 | ...                   | 112.0 | 71.7            | ...             | 40.3 |

\* Mean of 30 days.

29. GORAKHPUR (corrected).

30. JHANSI (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM.           |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM.        |       | Absolute range. | LOWEST MINIMUM.       |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|----------------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|-------------------------|-------|-----------------|-----------------------|------|
|           |       |           |           |                      |                      |                      | Day.                       | o     |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.                    | o     |                 | Day.                  | o    |
| January   | 60.2  | 64.4      | 69.6      | 72.3                 | 23.1                 | 49.2                 | 26th                       | 78.4  | 34.5            | 7th             | 43.9 | 63.1  | 65.9      | 71.8      | 73.9                 | 23.0                 | 50.9                 | 19th                    | 84.9  | 42.5            | 29th                  | 42.4 |
| February  | 62.8  | 66.4      | 74.5      | 77.5                 | 27.5                 | 50.0                 | 28th                       | 89.4  | 48.4            | 5th             | 41.0 | 65.5  | 69.5      | 76.6      | 79.0                 | 27.8                 | 51.2                 | 28th                    | 94.5  | 51.6            | 4th & 5th             | 42.9 |
| March     | 76.8  | 80.6      | 86.6      | 89.4                 | 25.3                 | 64.1                 | 23rd                       | 97.9  | 43.1            | 6th             | 54.8 | 78.1  | 82.2      | 88.5      | 91.0                 | 26.5                 | 64.5                 | 30th                    | 104.5 | 49.1            | 5th                   | 55.4 |
| April     | 85.1  | 89.9      | 96.9      | 100.6                | 30.4                 | 70.2                 | 22nd                       | 111.4 | 51.6            | 3rd & 6th       | 59.8 | 88.7  | 93.7      | 100.9     | 103.5                | 30.1                 | 73.4                 | 22nd                    | 111.0 | 50.1            | 4th                   | 60.9 |
| May       | 86.1  | 88.5      | 98.7      | 98.9                 | 23.1                 | 75.8                 | 25th                       | 111.4 | 44.6            | 12th            | 66.8 | 94.1  | 99.4      | 104.0     | 106.5                | 26.7                 | 79.8                 | 26th                    | 114.0 | 41.6            | 18th                  | 72.4 |
| June      | 88.6  | 90.7      | 98.8      | 98.8                 | 18.4                 | 80.4                 | 12th                       | 107.4 | 32.6            | 5th             | 74.8 | 91.2  | 93.7      | 96.4      | 101.0                | 20.0                 | 81.0                 | 14th                    | 111.5 | 36.7            | 19th                  | 74.8 |
| July      | 83.6  | 85.6      | 86.7      | 91.1                 | 11.6                 | 79.5                 | 1st, 13th &<br>15th.       | 94.4  | 18.6            | 26th            | 75.8 | 82.5  | 84.3      | 85.3      | 89.2                 | 11.1                 | 78.1                 | 15th                    | 97.5  | 21.6            | 6th, 11th &<br>25th.  | 75.9 |
| August    | 83.9  | 85.1      | 86.9      | 89.6                 | 10.3                 | 79.3                 | 12th, 13th &<br>16th.      | 93.4  | 22.6            | 2nd             | 70.8 | 82.6  | 84.5      | 86.7      | 89.5                 | 12.8                 | 76.7                 | 9th                     | 96.5  | 22.6            | 28th                  | 73.9 |
| September | 83.6  | 85.6      | 86.6      | 90.1                 | 12.0                 | 78.1                 | 4th, 19th,<br>23rd & 25th. | 92.4  | 19.6            | 11th            | 72.8 | 83.6  | 87.8      | 90.3      | 93.3                 | 18.9                 | 74.4                 | 24th                    | 99.0  | 29.1            | 21st                  | 69.9 |
| October   | 78.8  | 82.2      | 83.2      | 86.6*                | 14.6                 | 72.0                 | 2nd                        | 91.8  | 28.3            | 31st            | 63.5 | 79.2  | 82.3      | 84.8      | 88.0                 | 16.6                 | 71.4                 | 1st, 2nd<br>& 22nd.     | 92.5  | 29.6            | 31st                  | 62.9 |
| November  | 69.9  | 76.3      | 77.7      | 81.6                 | 22.1                 | 59.5                 | 1st, 6th &<br>7th.         | 84.8  | 32.3            | 30th            | 52.5 | 72.9  | 77.1      | 82.2      | 84.9                 | 26.3                 | 58.6                 | 12th & 15th<br>to 17th. | 89.4  | 34.5            | 23rd, 29th &<br>30th. | 54.9 |
| December  | 62.6  | 66.5      | 69.7      | 73.5                 | 20.6                 | 52.9                 | 8th & 10th                 | 77.8  | 35.1            | 31st            | 42.7 | 65.3  | 68.4      | 75.5      | 77.9                 | 25.0                 | 52.9                 | 27th                    | 83.4  | 41.5            | 31st                  | 41.9 |
| Year      | 76.8  | 80.2      | 84.0      | 87.5                 | 19.9                 | 67.6                 | ...                        | 111.4 | 70.4            | ...             | 41.0 | 78.9  | 82.4      | 86.9      | 89.8                 | 22.1                 | 67.7                 | ...                     | 114.0 | 72.1            | ...                   | 41.9 |

\* Mean of 28 days.

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

## 31. ALLAHABAD (corrected).

## 32. BENARES (corrected).

| MONTH.    | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM.       |      |
|-----------|-------|----------|-----------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------------|------|
|           |       |          |           |           |           |                      |                      |                      | Day.             | °     |                 | Day.            | °    |       |           |           |                      |                      |                      | Day.             | °     |                 | Day.                  | °    |
| January   | 60.3  | 49.9     | 64.6      | 72.4      | 56.7      | 73.6                 | 25.5                 | 48.1                 | 19th             | 81.3  | 41.1            | 29th            | 40.2 | 61.5  | 64.3      | 72.5      | 74.0                 | 25.4                 | 48.6                 | 20th             | 80.9  | 39.4            | 30th                  | 41.5 |
| February  | 63.7  | 51.6     | 67.3      | 77.8      | 60.3      | 78.6                 | 29.2                 | 49.4                 | 20th             | 92.2  | 51.1            | 4th             | 41.1 | 65.2  | 68.9      | 78.7      | 79.9                 | 29.3                 | 50.6                 | 28th             | 94.1  | 52.7            | 5th                   | 41.4 |
| March     | 76.3  | 64.3     | 81.5      | 88.8      | 72.9      | 90.3                 | 27.3                 | 63.0                 | 30th             | 103.6 | 48.5            | 6th             | 55.1 | 76.9  | 81.4      | 89.4      | 91.7                 | 28.6                 | 63.1                 | 30th             | 103.1 | 45.9            | 13th                  | 57.2 |
| April     | 86.5  | 71.1     | 93.7      | 101.6     | 82.3      | 102.6                | 32.5                 | 70.1                 | 24th             | 111.1 | 53.2            | 3rd             | 57.9 | 86.4  | 93.1      | 101.5     | 103.2                | 33.4                 | 69.8                 | 23rd             | 111.6 | 54.2            | 4th                   | 57.4 |
| May       | 91.3  | 79.7     | 95.6      | 102.4     | 88.4      | 103.8                | 25.5                 | 78.3                 | 3rd              | 110.6 | 40.0            | 19th            | 70.6 | 90.2  | 93.6      | 101.5     | 103.6                | 25.2                 | 78.4                 | 3rd & 5th        | 111.3 | 40.7            | 19th                  | 70.6 |
| June      | 90.5  | 83.2     | 93.7      | 98.3      | 88.2      | 100.1                | 18.5                 | 81.6                 | 13th             | 112.5 | 38.7            | 26th            | 73.8 | 90.5  | 92.9      | 97.8      | 100.6                | 18.7                 | 81.9                 | 13th             | 112.5 | 37.3            | 19th, 24th<br>& 29th. | 75.2 |
| July      | 83.4  | 80.4     | 85.0      | 87.2      | 81.9      | 89.6                 | 10.8                 | 78.8                 | 16th             | 96.5  | 23.0            | 8th             | 73.5 | 82.9  | 83.8      | 86.5      | 89.2                 | 10.0                 | 79.2                 | 16th             | 97.3  | 21.4            | 8th                   | 75.9 |
| August    | 83.3  | 79.4     | 85.0      | 87.8      | 81.8      | 89.5                 | 11.0                 | 78.5                 | 12th             | 95.6  | 20.8            | 28th            | 74.8 | 83.4  | 84.5      | 86.8      | 89.8                 | 10.9                 | 78.9                 | 11th             | 95.1  | 19.1            | 2nd &<br>27th.        | 76.0 |
| September | 82.6  | 77.6     | 85.6      | 88.2      | 80.2      | 90.9                 | 14.2                 | 76.7                 | 26th             | 95.8  | 22.3            | 26th            | 73.5 | 82.2  | 84.3      | 86.6      | 90.0                 | 12.7                 | 77.3                 | 4th & 26th       | 95.5  | 20.9            | 11th                  | 74.6 |
| October   | 79.3  | 73.6     | 82.9      | 87.3      | 75.9      | 88.5                 | 15.9                 | 72.6                 | 21st & 23rd      | 93.5  | 27.8            | 31st            | 65.7 | 79.6  | 83.0      | 85.6      | 88.3                 | 15.4                 | 72.9                 | 22nd             | 93.3  | 26.0            | 31st                  | 67.3 |
| November  | 70.1  | 58.6     | 77.2      | 83.3      | 64.7      | 83.8                 | 26.7                 | 57.1                 | 1st              | 88.4  | 39.4            | 30th            | 49.0 | 70.5  | 75.7      | 81.0      | 83.0                 | 24.7                 | 58.3                 | 1st              | 87.8  | 37.8            | 30th                  | 50.0 |
| December  | 61.7  | 52.4     | 65.8      | 73.7      | 58.2      | 74.7                 | 24.3                 | 50.4                 | 28th             | 79.9  | 38.1            | 31st            | 41.8 | 62.4  | 66.5      | 73.2      | 75.1                 | 24.1                 | 51.0                 | 5th & 27th       | 79.8  | 38.4            | 31st                  | 41.4 |
| Year      | 77.4  | 68.5     | 81.5      | 87.4      | 74.3      | 88.8                 | 21.8                 | 67.1                 | ...              | 112.5 | 72.3            | ...             | 40.2 | 77.6  | 81.0      | 86.8      | 89.0                 | 21.5                 | 67.5                 | ...              | 112.5 | 71.1            | ...                   | 41.4 |

## 33. GHAZIPUR (corrected).

## 34. KATMANDU (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | °     |                 | Day.            | °    |       |           |           |                      |                      |                      | Day.             | °    |                 | Day.            | °    |
| January   | 62.3  | 65.3      | 71.4      | 74.5                 | 21.3                 | 53.2*                | 20th             | 82.0  | 35.2            | 2nd             | 46.8 | 48.6  | 52.3      | 61.1      | 68.9                 | 32.9                 | 36.0                 | 10th             | 74.2 | 44.2            | 28th            | 30.0 |
| February  | 65.9  | 69.6      | 77.1      | 78.6                 | 24.0                 | 54.6†                | 28th             | 91.3  | 48.3            | 5th             | 43.0 | 50.3  | 57.5      | 64.8      | 72.2                 | 36.5                 | 35.7                 | 28th             | 79.2 | 51.7            | 5th             | 27.5 |
| March     | ?     | 83.1      | 88.8      | 89.8                 | 27.3                 | per-<br>fect.        | 30th             | 100.1 | ?               | ...             | ?    | 58.7  | 67.6      | 72.2      | 80.2                 | 35.0                 | 45.2                 | 20th             | 87.2 | 51.2            | 11th            | 36.0 |
| April     | 86.3  | 94.0      | 99.6      | 100.8                | 27.9                 | 72.9†                | 23rd             | 109.2 | 47.0            | 6th             | 62.2 | 62.4  | 72.0      | 77.2      | 85.9                 | 38.4                 | 47.5                 | 21st             | 94.7 | 58.2            | 5th             | 36.5 |
| May       | 88.6  | 94.0      | 99.0      | 100.4                | 22.3                 | 78.1                 | 3rd              | 107.4 | 38.0            | 12th            | 69.4 | 67.1  | 72.2      | 76.6      | 83.9                 | 26.4                 | 57.5                 | 28th             | 95.2 | 48.0            | 13th            | 47.2 |
| June      | 89.1  | 93.4      | 96.2      | 99.2                 | 17.3                 | 81.9                 | 12th             | 110.3 | 35.2            | 29th            | 75.1 | 73.6  | 78.3      | 82.4      | 88.5                 | 23.8                 | 64.7                 | 13th             | 94.2 | 42.5            | 6th             | 52.7 |
| July      | 83.2  | 85.1      | 87.1      | 90.5                 | 11.2                 | 79.3                 | 16th             | 98.2  | 22.1            | 5th             | 76.1 | 74.4  | 77.8      | 81.2      | 88.7                 | 21.1                 | 67.6                 | 31st             | 97.2 | 34.4            | 14th            | 62.8 |
| August    | 83.0  | 85.5      | 87.0      | 90.7                 | 11.7                 | 79.0                 | 11th             | 95.1  | 19.0            | 26th            | 76.1 | 71.7  | 76.0      | 77.1      | 85.8§                | 19.6                 | 66.2                 | 3rd & 17th       | 90.7 | 26.9            | 9th & 11th      | 63.8 |
| September | 82.1  | 85.8      | 85.5      | 89.5†                | 10.9                 | 78.6                 | 4th              | 96.0  | 21.9            | 11th            | 74.1 | 71.2  | 77.4      | 77.5      | 86.1                 | 21.3                 | 64.8                 | 2nd              | 90.2 | 28.9            | 29th            | 61.3 |
| October   | 79.4  | 84.7      | 84.9      | 86.7*                | 12.9                 | 73.8                 | 2nd              | 91.0  | 22.9            | 31st            | 68.1 | 65.2  | 72.8      | 74.3      | 82.8                 | 26.7                 | 56.1                 | 2nd              | 89.7 | 45.1            | 31st            | 44.6 |
| November  | 70.0  | 78.3      | 78.8      | 80.1                 | 18.9                 | 61.2                 | 2nd              | 84.0  | 31.4            | 30th            | 52.6 | 56.7  | 64.1      | 69.1      | 82.1                 | 37.9                 | 44.2                 | 21st & 25th      | 88.2 | 50.1            | 26th            | 38.1 |
| December  | 62.9  | 68.0      | 71.3      | 72.4§                | 17.9                 | 54.5                 | 8th & 10th       | 76.0  | 29.6            | 31st            | 46.4 | 50.1  | 57.8      | 62.5      | 76.6                 | 38.9                 | 37.7                 | 7th              | 82.2 | 51.2            | 26th & 31st     | 31.0 |
| Year      | ?     | 82.2      | 85.6      | 87.8                 | 18.6                 | ?                    | ...              | 110.3 | ?               | ...             | ?    | 62.5  | 68.8      | 73.0      | 81.7                 | 29.9                 | 51.9                 | ...              | 97.2 | 69.7            | ...             | 27.5 |

\* Mean of 28 days.

† " " 27 "

‡ " " 26 "

§ Mean of 30 days.

|| " " 29 "

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

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## 35. SIBSAGAR (corrected).

## 36. TEZPUR (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM.            |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma.              | HIGHEST MAXIMUM.                               |      | Absolute range. | LOWEST MINIMUM.  |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|----------------------------|------|-------|-----------|-----------|----------------------|----------------------|-----------------------------------|------------------------------------------------|------|-----------------|------------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o    |                 | Day.                       | o    |       |           |           |                      |                      |                                   | Day.                                           | o    |                 | Day.             | o    |
| January   | 60.0  | 60.1      | 67.4      | 68.8                 | 17.9                 | 50.9                 | 31st             | 72.4 | 28.5            | 10th                       | 43.9 | P     | 64.9      | 69.7      | 74.0                 | P                    | Shade minimum untrust-<br>worthy. | 26th                                           | 76.7 | P               | ...              | ...  |
| February  | 63.5  | 64.5      | 70.9      | 72.1                 | 18.9                 | 53.2                 | 18th             | 77.3 | 37.1            | 6th                        | 40.2 | P     | 66.8      | 72.9      | 77.0                 | P                    |                                   | 17th                                           | 81.6 | P               | ...              | ...  |
| March     | 70.2  | 71.8      | 77.8      | 79.6                 | 19.9                 | 59.7                 | 20th & 25th      | 87.6 | 34.4            | 15th                       | 53.2 | P     | 76.9      | 81.9      | 86.6                 | P                    |                                   | 20th                                           | 94.4 | P               | ...              | ...  |
| April     | 73.9  | 75.7      | 80.8      | 83.5                 | 19.0                 | 64.5                 | 30th             | 93.6 | 35.3            | 7th                        | 58.3 | P     | 78.9      | 83.8      | 88.3                 | P                    |                                   | 14th                                           | 97.9 | P               | ...              | ...  |
| May       | 79.6  | 80.1      | 85.8      | 87.8                 | 16.5                 | 71.3                 | 22nd             | 96.2 | 30.4            | 5th & 14th                 | 65.8 | P     | 81.3      | 84.5      | 88.8                 | P                    |                                   | 21st &<br>22nd.                                | 96.4 | P               | ...              | ...  |
| June      | 84.2  | 84.5      | 88.5      | 90.7                 | 13.6                 | 77.1                 | 15th             | 97.4 | 23.9            | 2nd                        | 73.5 | P     | 83.9      | 84.8      | 89.7                 | P                    |                                   | 15th                                           | 95.4 | P               | ...              | ...  |
| July      | 83.6  | 82.7      | 88.3      | 89.6                 | 11.4                 | 78.2                 | 21st             | 94.6 | 18.1            | 3rd, 14th,<br>15th & 19th. | 76.5 | P     | 84.5      | 84.2      | 88.7                 | P                    |                                   | 27th                                           | 92.4 | P               | ...              | ...  |
| August    | 82.7  | 83.3      | 86.3      | 88.4                 | 10.4                 | 78.0                 | 16th             | 95.1 | 19.6            | 17th & 29th                | 75.5 | 79.1  | 83.6      | 83.1      | 89.2                 | 14.1                 | 75.1                              | 13th                                           | 96.4 | 23.5            | 10th to<br>12th. | 72.9 |
| September | 81.1  | 81.8      | 84.5      | 86.9                 | 10.7                 | 76.2                 | 1st              | 92.8 | 20.0            | 30th                       | 72.8 | 77.7  | 83.1      | 81.5      | 87.8                 | 14.0                 | 73.8                              | 6th & 10th                                     | 91.4 | 21.4            | 26th             | 70.0 |
| October   | 78.7  | 80.4      | 83.0      | 85.2                 | 12.6                 | 72.6                 | 3rd              | 90.1 | 21.7            | 31st                       | 68.4 | 76.4  | 82.9      | 81.8      | 87.1                 | 16.1                 | 71.0                              | 4th, 5th, 13th,<br>16th, 18th,<br>21st & 23rd. | 89.4 | 26.4            | 31st             | 63.0 |
| November  | 67.9  | 69.5      | 75.2      | 77.4                 | 18.5                 | 58.9                 | 4th              | 80.9 | 26.7            | 30th                       | 54.2 | 66.8  | 76.1      | 74.7      | 79.0                 | 20.1                 | 58.9                              | 3rd                                            | 83.4 | 30.4            | 22nd             | 53.0 |
| December  | 62.3  | 62.7      | 69.3      | 71.4                 | 18.6                 | 52.8                 | 2nd              | 75.1 | 27.6            | 9th                        | 47.5 | 61.5  | 71.4      | 69.3      | 75.1                 | 21.5                 | 53.6                              | 4th                                            | 78.0 | 29.5            | 23rd             | 48.5 |
| Year      | 74.0  | 74.8      | 79.8      | 81.8                 | 15.7                 | 66.1                 | ...              | 97.4 | 57.2            | ...                        | 40.2 | P     | 77.9      | 79.4      | 84.3                 | P                    | P                                 | ...                                            | 97.9 | P               | ...              | P    |

## 37. DHUBRI (corrected).

## 38. TURA (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o    |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o    |                 | Day.            | o    |
| January   | 63.2  | 63.3      | 73.4      | 75.2                 | 22.2                 | 53.0                 | 21st & 25th      | 78.8 | 31.8            | 29th            | 47.0 | 62.4  | 65.3      | 69.9      | 72.7                 | 17.9                 | 54.8                 | 4th              | 76.5 | 27.7            | 29th            | 48.8 |
| February  | 65.2  | 65.2      | 76.4      | 78.6                 | 24.7                 | 53.9                 | 28th             | 85.9 | 40.6            | 6th             | 45.3 | 63.7  | 66.4      | 72.9      | 75.3                 | 20.8                 | 54.5                 | 28th             | 82.8 | 39.3            | 5th             | 43.5 |
| March     | 75.6  | 77.1      | 86.6      | 88.5                 | 23.9                 | 64.6                 | 23rd             | 97.9 | 41.9            | 7th             | 56.0 | 74.5  | 76.4      | 82.7      | 85.6                 | 19.4                 | 66.2                 | 18th             | 93.0 | 33.5            | 8th             | 59.5 |
| April     | 79.2  | 80.7      | 87.9      | 89.9                 | 19.4                 | 70.5                 | 17th             | 99.0 | 36.9            | 6th             | 62.1 | 76.3  | 79.3      | 84.6      | 87.3                 | 19.4                 | 67.9                 | 30th             | 92.6 | 37.8            | 10th            | 54.8 |
| May       | 78.8  | 80.4      | 84.7      | 86.7                 | 13.8                 | 72.9                 | 21st             | 95.9 | 28.0            | 4th             | 67.9 | 75.9  | 79.5      | 82.5      | 86.8                 | 17.5                 | 69.3                 | 21st             | 91.2 | 26.8            | 25th            | 64.4 |
| June      | 81.0  | 83.6      | 84.6      | 88.3                 | 10.9                 | 77.4                 | 15th             | 94.9 | 20.6            | 5th             | 74.3 | 78.6  | 81.1      | 82.9      | 86.1                 | 11.8                 | 74.3                 | 16th             | 95.2 | 26.2            | 5th             | 69.0 |
| July      | 81.7  | 83.2      | 84.6      | 87.6                 | 8.9                  | 78.7                 | 13th             | 91.8 | 16.1            | 6th             | 75.7 | 77.8  | 80.0      | 81.4      | 84.3                 | 10.1                 | 74.2                 | 15th             | 88.1 | 16.8            | 12th            | 71.3 |
| August    | 81.1  | 81.9      | 83.7      | 86.6                 | 8.2                  | 78.4                 | 31st             | 91.1 | 16.0            | 9th & 11th      | 75.1 | 76.8  | 79.7      | 79.8      | 83.3                 | 9.5                  | 73.8                 | 24th & 26th      | 88.3 | 16.5            | 12th            | 71.8 |
| September | 79.6  | 80.2      | 82.2      | 85.0                 | 8.1                  | 76.9                 | 21st             | 89.6 | 17.0            | 25th            | 72.6 | 78.5  | 78.7      | 78.5      | 82.8                 | 10.3                 | 72.5                 | 21st             | 86.6 | 17.3            | 25th            | 69.3 |
| October   | 79.9  | 81.0      | 84.7      | 86.8                 | 11.8                 | 75.0                 | 21st             | 90.9 | 22.8            | 31st            | 68.1 | 75.8  | 79.4      | 81.1      | 84.3                 | 13.8                 | 70.5                 | 19th             | 88.7 | 23.1            | 31st            | 65.6 |
| November  | 71.2  | 72.8      | 78.4      | 79.8                 | 15.9                 | 63.9                 | 2nd & 7th        | 81.9 | 22.6            | 20th            | 59.3 | 69.9  | 75.3      | 76.2      | 80.1                 | 16.5                 | 63.6                 | 22nd &<br>23rd.  | 83.7 | 24.0            | 28th            | 59.7 |
| December  | 65.4  | 65.8      | 73.4      | 74.9                 | 17.6                 | 57.3                 | 2nd              | 78.5 | 24.5            | 21st            | 54.0 | 63.9  | 68.5      | 70.4      | 74.2                 | 16.9                 | 57.3                 | 8th              | 79.6 | 25.5            | 16th            | 54.1 |
| Year      | 75.2  | 76.3      | 81.7      | 84.0                 | 15.5                 | 68.5                 | ...              | 99.0 | 53.7            | ...             | 45.3 | 72.8  | 75.8      | 78.6      | 81.9                 | 15.3                 | 66.6                 | ...              | 95.2 | 51.7            | ...             | 43.5 |

\* Mean of 26 days.

† Mean of 25 days.

‡ Mean of 30 days.

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

## 39. SILCHAR (corrected).

## 40. DARJEELING (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o    |                 | Day.            | o    |
| January . | 63.9  | 65.3      | 76.0      | 78.1                 | 26.1                 | 52.0                 | 31st             | 81.6  | 37.1            | 30th            | 44.5 | 39.9  | 42.5*     | 42.3†     | 46.2                 | 11.0                 | 35.2*                | 8th              | 54.7 | 23.5            | 2nd             | 31.2 |
| February  | 65.6  | 68.9      | 77.8      | 80.7                 | 28.8                 | 51.9                 | 18th             | 87.5  | 44.0            | 6th             | 43.5 | 40.2  | 42.7      | 43.1      | 46.2†                | 11.2                 | 35.0                 | 17th             | 52.8 | 25.2            | 5th             | 27.6 |
| March .   | 73.2  | 74.7      | 83.3      | 85.0                 | 22.1                 | 62.9                 | 19th             | 93.7  | 37.4            | 27th            | 56.3 | 49.3  | 51.7*     | 53.4†     | 57.0                 | 13.9                 | 43.1                 | 18th             | 63.5 | 26.5            | 8th             | 37.0 |
| April .   | 77.4  | 80.1      | 84.8      | 87.3                 | 18.7                 | 68.6                 | 30th             | 96.3  | 35.9            | 6th             | 60.4 | 53.4  | 57.1†     | 57.3†     | 62.4                 | 16.0                 | 46.4†                | 27th             | 68.5 | 29.9            | 5th             | 38.6 |
| May .     | 80.6  | 82.9      | 87.6      | 90.5                 | 18.5                 | 72.0                 | 19th             | 101.8 | 41.4            | 12th            | 60.4 | 55.6  | 58.1      | 58.7*     | 63.0*                | 12.6                 | 50.4                 | 6th              | 66.8 | 24.2            | 13th            | 42.6 |
| June .    | 82.9  | 84.7      | 87.4      | 90.9                 | 14.1                 | 76.8                 | 14th             | 99.4  | 25.1            | 5th & 21st      | 74.3 | 60.6  | 62.4      | 63.6†     | 66.3                 | 16.1                 | 56.2†                | 14th             | 72.1 | 25.9            | 5th             | 46.2 |
| July .    | 81.8  | 83.3      | 85.6      | 89.0                 | 12.1                 | 76.9                 | 28th             | 94.4  | 26.6            | 12th            | 73.8 | 61.1  | 62.9      | 63.1*     | 66.6                 | 9.0                  | 57.6                 | 12th             | 69.5 | 13.5            | 2nd             | 56.0 |
| August .  | 81.4  | 82.8      | 85.2      | 89.1                 | 12.5                 | 76.6                 | 25th             | 94.7  | 21.4            | 11th            | 73.3 | 60.7  | 62.4      | 62.6*     | 66.0                 | 8.9                  | 57.1                 | 16th             | 71.6 | 16.1            | 12th & 26th     | 55.5 |
| September | 81.3  | 82.3      | 85.6      | 88.6                 | 12.4                 | 76.2                 | 29th & 30th      | 93.7  | 19.6            | 18th            | 74.1 | 58.9  | 60.7      | 61.1†     | 64.0                 | 8.8                  | 55.2                 | 1st              | 68.7 | 16.1            | 28th            | 52.6 |
| October . | 82.2  | 84.5      | 88.4      | 91.0                 | 16.5                 | 74.5                 | 18th             | 96.0  | 27.8            | 31st            | 68.2 | 55.1  | 57.2*     | 57.9†     | 61.2                 | 10.7                 | 50.5*                | 1st              | 64.7 | 22.2            | 31st            | 42.5 |
| November  | 74.3  | 78.3      | 83.9      | 86.8                 | 24.1                 | 62.7                 | 4th              | 90.2  | 34.8            | 30th            | 55.4 | 48.4  | 51.7      | 50.8      | 54.6                 | 11.4                 | 43.2                 | 5th              | 60.5 | 19.8            | 29th            | 40.7 |
| December  | 67.2  | 69.4      | 77.9      | 80.4                 | 24.7                 | 55.7                 | 1st              | 85.5  | 35.1            | 7th             | 50.4 | 42.1  | 44.8*     | 44.5*     | 49.0                 | 11.3                 | 37.7†                | 7th              | 59.8 | 28.7            | 16th            | 31.1 |
| Year .    | 76.0  | 78.1      | 83.6      | 86.5                 | 19.2                 | 67.2                 | ...              | 101.8 | 58.3            | ...             | 43.5 | 52.1  | 54.5      | 54.9      | 58.5                 | 11.2                 | 47.3                 | ...              | 72.1 | 44.5            | ...             | 27.6 |

\* Mean of 30 days.

† " " 29 "

‡ Mean of 27 days.

§ " " 28 "

## 41. PEDONG (corrected).

## 42. MONGPOO (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM.       |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM.      |      | Absolute range. | LOWEST MINIMUM.    |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|-----------------------|------|-----------------|--------------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o    |                 | Day.                  | o    |       |           |           |                      |                      |                      | Day.                  | o    |                 | Day.               | o    |
| January . | 47.3  | 52.8*     | 52.4      | 58.3                 | 16.1                 | 42.2†                | 9th              | 64.3 | 28.5            | 2nd                   | 35.8 | 52.8  | ...       | ...       | 57.8                 | 10.1                 | 47.7                 | 31st                  | 61.5 | 18.5            | 2nd                | 43.0 |
| February  | 48.7  | 53.9      | 54.6      | 59.8                 | 17.1                 | 42.7                 | 17th             | 66.5 | 32.2            | 5th                   | 34.3 | 53.8  | ...       | ...       | 58.1                 | 8.7                  | 49.4                 | 18th                  | 63.5 | 22.0            | 5th                | 41.5 |
| March .   | 57.4  | 62.8      | 64.8      | 70.8                 | 20.9                 | 49.9                 | 17th & 18th      | 75.1 | 31.2            | 11th                  | 43.9 | 64.0  | ...       | ...       | 70.0                 | 12.1                 | 57.9                 | 18th, 24th<br>& 25th. | 77.0 | 26.0            | 11th               | 51.0 |
| April .   | 60.4  | 66.6      | 67.6†     | 72.8                 | 19.7                 | 53.1                 | 27th             | 78.5 | 37.5            | 4th                   | 41.0 | 67.6  | ...       | ...       | 73.8                 | 12.5                 | 61.3                 | 30th                  | 80.5 | 28.5            | 5th                | 55.0 |
| May .     | 63.4  | 69.2      | 68.7      | 74.3†                | 16.2                 | 58.1                 | 21st             | 78.7 | 30.9            | 13th                  | 47.8 | 68.3  | ...       | ...       | 74.4                 | 12.3                 | 62.1                 | 21st                  | 79.5 | 26.5            | 13th               | 53.0 |
| June .    | 68.4  | 71.5      | 72.5      | 76.2†                | 11.9                 | 64.3                 | 14th & 15th      | 81.9 | 20.8            | 5th                   | 61.1 | 72.4  | ...       | ...       | 76.6                 | 8.5                  | 68.1                 | 15th                  | 84.5 | 18.5            | 1st, 4th &<br>5th. | 66.0 |
| July .    | 68.5  | 71.1      | 71.7      | 75.6                 | 10.4                 | 65.2                 | 13th             | 79.8 | 17.4            | 23rd                  | 62.4 | 72.7  | ...       | ...       | 76.8                 | 8.3                  | 68.5                 | 12th & 13th           | 80.0 | 14.0            | 14th               | 66.0 |
| August .  | 67.5  | 70.0      | 70.6      | 74.3                 | 9.9                  | 64.4*                | 17th             | 79.4 | 16.5            | 13th, 16th<br>& 30th. | 62.9 | 71.9  | ...       | ...       | 76.2                 | 8.6                  | 67.6                 | 17th                  | 82.0 | 16.5            | 11th               | 65.5 |
| September | 65.8  | 69.1      | 69.0      | 73.1†                | 10.5                 | 62.6                 | 4th              | 77.6 | 18.7            | 25th                  | 58.9 | 70.7  | ...       | ...       | 74.9                 | 8.4                  | 66.5                 | 1st                   | 80.0 | 16.0            | 25th               | 64.0 |
| October . | 62.5  | 67.9      | 67.0      | 71.7*                | 13.8                 | 57.9                 | 20th             | 77.6 | 28.4            | 31st                  | 49.2 | 68.9  | ...       | ...       | 74.1                 | 10.5                 | 63.6                 | 20th                  | 79.0 | 24.0            | 31st               | 55.0 |
| November  | 53.7  | 61.0†     | 58.6†     | 65.6†                | 16.8                 | 48.8                 | 5th              | 69.4 | 25.0            | 20th                  | 44.4 | 60.8  | ...       | ...       | 66.8                 | 12.1                 | 54.7                 | 8th                   | 71.0 | 19.5            | 19th to 21st       | 51.5 |
| December  | 49.8  | 56.2      | 54.4      | 60.8                 | 15.6                 | 45.2                 | 7th              | 67.8 | 26.8            | 31st                  | 41.0 | 56.3  | ...       | ...       | 61.7                 | 10.8                 | 50.9                 | 3rd                   | 67.0 | 20.0            | 31st               | 47.0 |
| Year .    | 59.5  | 64.3      | 64.3      | 69.4                 | 14.9                 | 54.5                 | ...              | 81.9 | 47.6            | ...                   | 34.3 | 65.0  | ...       | ...       | 70.1                 | 10.2                 | 59.9                 | ...                   | 84.5 | 43.0            | ...                | 41.5 |

\* Mean of 30 days.

† " " 29 "

‡ Mean of 27 days.

§ " " 26 "

|| Mean of 28 days.

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

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## 43. PURNEAH (corrected).

## 44. DURBHUNGA (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM.                     |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|--------------------------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.                                 | °     |                 | Day.            | °    |       |           |           |                      |                      |                      | Day.             | °     |                 | Day.            | °    |
| January . | ?     | 65.1      | 73.0      | 74.6                 | ?                    |                      | 25th & 27th                          | 78.2  | ?               | ...             |      | 62.1  | 62.7      | 71.6      | 72.6                 | 20.1                 | 52.5                 | 20th             | 75.9  | 27.4            | 29th            | 48.5 |
| February  | ?     | 68.1      | 77.1      | 78.4                 | ?                    |                      | 28th                                 | 88.2  | ?               | ...             |      | 64.0  | 65.4*     | 74.8†     | 76.3*                | 23.9                 | 52.4*                | 28th             | 85.6  | 42.2            | 5th             | 43.4 |
| March .   | ?     | 81.8      | 89.7      | 90.9                 | ?                    |                      | 23rd                                 | 98.2  | ?               | ...             |      | 76.4  | 78.9†     | 86.7†     | 88.0†                | 23.7                 | 64.3†                | 22nd             | 95.6  | 39.0            | 6th             | 56.6 |
| April .   | ?     | 89.9      | 97.0      | 99.0                 | ?                    |                      | 14th                                 | 105.2 | ?               | ...             |      | 84.0  | 86.4      | 94.6      | 95.9                 | 24.8                 | 71.1                 | 14th             | 102.2 | 42.0            | 4th             | 60.2 |
| May .     | ?     | 88.5*     | 92.1†     | 96.0                 | ?                    |                      | 7th                                  | 105.2 | ?               | ...             |      | 84.1  | 85.3      | 91.4      | 94.6                 | 19.1                 | 75.5                 | 9th              | 101.9 | 35.5            | 12th            | 66.4 |
| June .    | ?     | 88.3      | 89.7      | 94.5                 | ?                    |                      | 4th & 7th                            | 102.2 | ?               | ...             |      | 86.7  | 87.3      | 92.2      | 95.2                 | 14.7                 | 80.5                 | 9th              | 105.2 | 29.9            | 1st             | 75.3 |
| July .    | 84.3  | 85.3      | 87.9      | 91.1                 | 11.9                 | 79.2                 | 4th, 15th & 16th                     | 94.2  | 20.6            | 10th            | 73.6 | 84.6  | 84.9      | 88.3      | 90.0                 | 10.1                 | 79.9                 | 16th             | 93.2  | 17.9            | 2nd & 3rd       | 75.3 |
| August .  | 83.1  | 84.1      | 86.5      | 88.9                 | 11.0                 | 77.5                 | 15th to 17th 20th<br>to 22nd & 31st. | 92.2  | 18.6            | 11th            | 73.6 | 83.1  | 83.2      | 85.9      | 87.5                 | 7.8                  | 79.7                 | 17th & 18th      | 90.9  | 14.6            | 7th             | 76.3 |
| September | 81.1  | 82.2      | 84.0      | 86.1                 | 9.5                  | 76.6                 | 19th                                 | 96.2  | 21.6            | 11th & 13th     | 74.6 | 82.1  | 82.4      | 84.6      | 86.9                 | 8.3                  | 78.6                 | 4th              | 91.4  | 16.1            | 10th & 26th     | 75.3 |
| October . | 80.8  | 84.0      | 85.9      | 88.1                 | 14.4                 | 73.7                 | 3rd                                  | 53.2  | 27.5            | 31st            | 65.7 | 80.7  | 82.0      | 85.0      | 87.1                 | 11.6                 | 75.5                 | 20th             | 89.9  | 20.1            | 31st            | 69.8 |
| November  | 71.4  | 74.9      | 80.1      | 81.5                 | 21.0                 | 60.5                 | 1st, 7th & 8th                       | 84.2  | 30.4            | 29th            | 53.8 | 72.7  | 74.7      | 80.1      | 81.3                 | 17.2                 | 64.1                 | 1st & 5th        | 83.6  | 26.7            | 30th            | 56.9 |
| December  | 64.4  | 67.5      | 73.0      | 75.0                 | 21.2                 | 53.8                 | 8th & 9th                            | 79.2  | 32.4            | 31st            | 46.8 | 65.6  | 66.8      | 73.1      | 74.5                 | 17.1                 | 57.4                 | * 7th            | 78.6  | 30.3            | 31st            | 48.3 |
| Year .    | ?     | 80.0      | 84.7      | 87.0                 | ?                    | ?                    | ...                                  | 105.2 | ?               | ...             | ?    | 77.2  | 78.3      | 84.0      | 85.8                 | 16.5                 | 69.3                 | ...              | 105.2 | 61.8            | ...             | 43.4 |

\* Mean of 29 days.  
† " " 30 "\* Mean of 27 days.  
† " " 26 "

‡ Mean of 29 days.

## 45. PATNA (corrected).

## 46. GYA (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | °     |                 | Day.            | °    |       |           |           |                      |                      |                      | Day.             | °     |                 | Day.            | °    |
| January . | 61.7  | 64.4      | 71.2      | 72.5                 | 22.3                 | 50.2                 | 26th             | 76.9  | 32.3            | 30th            | 44.6 | 63.2  | 66.1      | 71.8      | 73.8                 | 21.4                 | 52.4                 | 20th             | 80.3  | 38.0            | 10th            | 42.3 |
| February  | 64.8  | 66.9      | 76.7      | 77.8                 | 26.2                 | 51.6                 | 28th             | 89.4  | 48.1            | 5th             | 41.3 | 67.3  | 70.7      | 78.4      | 80.2                 | 26.4                 | 53.8*                | 28th             | 92.2  | ?               | ...             | ?    |
| March .   | 77.8  | 81.1      | 88.9      | 90.4                 | 26.1                 | 64.3                 | 20th             | 99.5  | 43.9            | 6th             | 55.6 | 77.3  | 82.1      | 89.4      | 90.4                 | 28.3                 | 62.1†                | 31st             | 101.2 | 44.4            | 5th             | 56.8 |
| April .   | 86.8  | 90.2      | 98.9      | 100.5                | 29.1                 | 71.4                 | 23rd             | 108.6 | 46.5            | 6th             | 62.1 | 88.1  | 94.2      | 100.7     | 102.2                | 30.9                 | 71.3                 | 24th             | 111.0 | 53.0            | 3rd             | 58.0 |
| May .     | 87.2  | 89.2      | 95.5      | 98.1                 | 21.3                 | 76.8                 | 10th             | 107.0 | 40.3            | 12th            | 66.7 | 89.3  | 93.3      | 100.0     | 102.0                | 28.3                 | 73.7                 | 4th              | 109.4 | 43.9            | 17th            | 65.5 |
| June .    | 89.5  | 91.6      | 95.5      | 98.0                 | 16.7                 | 81.3                 | 4th              | 107.6 | 31.0            | 24th            | 76.6 | 88.8  | 92.4      | 97.1      | 99.6                 | 22.8                 | 76.8                 | 13th             | 109.4 | 42.1            | 28th            | 67.3 |
| July .    | 83.8  | 84.0      | 87.2      | 89.4                 | 9.7                  | 79.7                 | 1st              | 96.9  | 24.3            | 8th             | 72.6 | 82.7  | 85.7      | 88.6      | 90.9                 | 16.6                 | 74.3                 | 16th             | 96.3  | 34.2            | 2nd             | 62.1 |
| August .  | 83.3  | 84.0      | 86.2      | 88.7                 | 9.7                  | 79.0                 | 17th             | 93.0  | 17.8            | 12th            | 75.2 | ?     | 86.1      | 87.9      | 89.4†                | ?                    | Not re-<br>corded.   | 12th             | 94.0  | ?               | ...             | ?    |
| September | 82.3  | 83.3      | 84.7      | 86.9                 | 8.5                  | 78.4                 | 4th              | 91.8  | 17.0            | 11th            | 74.8 | ?     | 85.0      | 86.8      | 88.2†                | ?                    | Untrust-<br>worthy.  | 4th              | 93.6  | ?               | ...             | ?    |
| October . | 81.1  | 83.1      | 85.2      | 87.4                 | 12.0                 | 75.4                 | 20th             | 90.9  | 20.7            | 31st            | 70.2 | ?     | 84.5      | 86.3      | 87.4                 | ?                    | Ditto                | 24th             | 92.9  | ?               | ...             | ?    |
| November  | 72.8  | 76.5      | 80.2      | 82.7                 | 19.8                 | 62.9                 | 1st              | 86.9  | 35.0            | 30th            | 51.9 | ?     | 78.6      | 81.3      | 82.9                 | ?                    | Not re-<br>corded.   | 1st              | 86.6  | ?               | ...             | ?    |
| December  | 64.8  | 67.7      | 73.0      | 75.6                 | 21.2                 | 54.4                 | 10th             | 80.8  | 36.0            | 31st            | 44.8 | ?     | 70.7      | 74.2      | 76.1                 | ?                    | Imper-<br>fect.      | 29th             | 80.7  | ?               | ...             | ?    |
| Year .    | 78.0  | 80.2      | 85.3      | 87.3                 | 18.6                 | 68.8                 | ...              | 108.6 | 67.3            | ...             | 41.3 | ?     | 82.5      | 86.9      | 88.6                 | ?                    | ?                    | ...              | 111.0 | ?               | ...             | ?    |

\* Mean of 18 days.  
† " " 30 "

‡ Mean of 29 days.

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

## 47. HAZARIBAGH (corrected).

## 48. BERHAMPORE (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM.                   |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------------------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.                              | o    |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |
| January   | 60.4  | 64.0      | 69.8      | 72.5                 | 21.9                 | 50.6                 | 20th             | 80.2  | 38.1            | 29th                              | 42.1 | 64.7  | 67.3      | 75.0      | 76.3                 | 21.8                 | 54.5                 | 27th             | 82.1  | 34.0            | 29th            | 48.1 |
| February  | 63.9  | 68.9      | 75.7      | 77.9                 | 25.5                 | 52.4                 | 28th             | 91.0  | 50.6            | 5th                               | 40.4 | 67.4  | 71.0      | 81.3      | 82.1                 | 28.1                 | 54.0                 | 28th             | 92.6  | 49.5            | 5th             | 43.1 |
| March     | 74.2  | 78.5      | 84.0      | 86.2                 | 22.7                 | 63.5                 | 31st             | 97.3  | 42.0            | 13th                              | 55.3 | 77.4  | 81.2      | 89.5      | 91.5                 | 24.8                 | 66.7                 | 23rd             | 100.3 | 42.1            | 7th             | 58.2 |
| April     | 84.2  | 90.2      | 94.7      | 98.0                 | 26.3                 | 71.7                 | 24th             | 105.5 | 45.7            | 4th                               | 59.8 | 83.9  | 87.8      | 97.2      | 99.3                 | 25.7                 | 73.6                 | 23rd & 24th      | 107.7 | 47.5            | 6th             | 60.2 |
| May       | 83.6  | 88.6      | 90.6      | 95.6                 | 21.9                 | 73.7                 | 4th              | 104.3 | 36.4            | 13th                              | 67.9 | 82.1  | 86.7      | 89.7      | 94.1                 | 18.1                 | 76.0                 | 10th             | 103.7 | 34.5            | 13th            | 69.2 |
| June      | 82.5  | 86.1      | 87.1      | 91.3                 | 15.4                 | 75.9                 | 12th             | 101.0 | 29.3            | 17th                              | 71.7 | 83.5  | 86.2      | 89.7      | 92.5                 | 13.6                 | 78.9                 | 4th              | 102.7 | 33.5            | 6th             | 69.2 |
| July      | 77.9  | 79.4      | 80.9      | 83.9                 | 10.2                 | 73.7                 | 16th             | 90.3  | 18.6            | 13th                              | 71.7 | 82.1  | 84.7      | 85.5      | 89.3                 | 10.8                 | 78.5                 | 1st & 19th       | 91.7  | 17.9            | 7th             | 73.8 |
| August    | 77.7  | 79.1      | 80.3      | 83.3                 | 10.3                 | 73.0                 | 10th             | 87.0  | 16.3            | 26th                              | 70.7 | 82.0  | 84.2      | 85.5      | 88.6                 | 10.0                 | 78.6                 | 17th             | 91.1  | 17.8            | 9th             | 73.3 |
| September | 76.3  | 78.1      | 79.1      | 82.7                 | 10.6                 | 72.1                 | 4th              | 88.5  | 17.8            | 11th, 19th, 24th,<br>25th & 30th. | 70.7 | 81.5  | 84.0      | 83.6      | 87.8                 | 9.2                  | 78.6                 | 1st              | 90.6  | 16.3            | 6th             | 74.3 |
| October   | 74.7  | 77.9      | 78.6      | 82.2                 | 12.8                 | 69.4                 | 24th             | 86.7  | 22.4            | 31st                              | 64.3 | 81.3  | 84.0      | 85.7      | 88.1                 | 11.3                 | 76.8                 | 23rd & 24th      | 90.6  | 18.9            | 31st            | 71.7 |
| November  | 68.2  | 72.8      | 74.1      | 76.7                 | 16.5                 | 60.2                 | 13th             | 80.9  | 29.3            | 30th                              | 51.6 | 73.7  | 76.3      | 80.7      | 82.5                 | 15.9                 | 66.6                 | 1st & 5th        | 85.6  | 26.4            | 29th            | 59.2 |
| December  | 61.7  | 65.7      | 69.7      | 72.5                 | 19.9                 | 52.6                 | 11th & 29th      | 76.9  | 29.6            | 20th                              | 47.3 | 67.1  | 69.6      | 75.8      | 77.3                 | 19.1                 | 58.2                 | 10th             | 83.6  | 30.4            | 17th            | 53.2 |
| Year      | 73.8  | 77.4      | 80.4      | 83.6                 | 17.8                 | 65.7                 | ...              | 105.5 | 65.1            | ...                               | 40.4 | 77.2  | 80.3      | 84.9      | 87.5                 | 17.4                 | 70.1                 | ...              | 107.7 | 64.6            | ...             | 43.1 |

## 49. BURDWAN (corrected).

## 50. JESSORE (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM.       |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.                  | o    |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |
| January   | 65.7  | 68.6      | 76.2      | 78.1                 | 23.2                 | 54.9                 | 24th             | 84.3  | 36.0            | 29th                  | 48.3 | 65.4  | 70.3      | 74.8      | 78.1                 | 24.1                 | 54.0                 | 24th             | 84.7  | 37.3            | 3rd & 30th      | 47.4 |
| February  | 68.5  | 72.6      | 81.9      | 83.7                 | 28.5                 | 55.2                 | 28th             | 94.3  | 50.1            | 5th                   | 44.2 | 68.3  | 74.1      | 81.1      | 83.5                 | 29.3                 | 54.2                 | 28th             | 94.2  | 50.8            | 6th             | 43.4 |
| March     | 77.9  | 81.2      | 88.8      | 91.4                 | 22.9                 | 68.5                 | 21st & 23rd      | 98.7  | 40.5            | 8th                   | 58.2 | 77.7  | 81.0      | 88.5*     | 90.5                 | 22.2                 | 68.3                 | 23rd             | 99.1  | 41.6            | 8th             | 57.5 |
| April     | 85.2  | 89.6      | 99.0      | 101.3                | 27.0                 | 74.3                 | 24th             | 109.0 | 47.8            | 6th                   | 61.2 | 83.8  | 88.1      | 94.1      | 97.2                 | 22.1                 | 75.1                 | 15th & 20th      | 103.2 | 41.7            | 6th             | 61.5 |
| May       | 83.3  | 87.4      | 92.6      | 96.2                 | 19.7                 | 76.5                 | 10th             | 105.3 | 38.4            | 12th                  | 66.9 | 82.3  | 87.6      | 89.0      | 94.2                 | 17.9                 | 76.3                 | 1st              | 101.4 | 34.9            | 12th            | 66.5 |
| June      | 84.1  | 87.4      | 89.4      | 94.0                 | 14.2                 | 79.8                 | 4th              | 103.2 | 26.3            | 16th                  | 76.9 | 83.7  | 87.4      | 87.2      | 92.3                 | 12.3                 | 80.0                 | 14th             | 98.3  | 21.3            | 9th             | 77.0 |
| July      | 82.5  | 85.0      | 85.5      | 90.3                 | 11.0                 | 79.3                 | 15th             | 93.1  | 17.7            | 7th & 8th             | 75.4 | 82.7  | 85.4      | 85.3      | 89.5                 | 10.1                 | 79.4                 | 1st              | 91.9  | 16.7            | 7th             | 75.2 |
| August    | 82.6  | 84.8      | 86.1      | 89.8                 | 10.6                 | 79.2                 | 28th             | 92.2  | 15.3            | 27th                  | 76.9 | 81.6  | 84.3      | 84.4      | 88.1                 | 9.6                  | 78.5                 | 16th             | 91.5  | 16.1            | 9th             | 75.4 |
| September | 81.5  | 84.4      | 83.4      | 89.1                 | 10.3                 | 78.8                 | 3rd & 4th        | 91.4  | 16.0            | 6th & 29th            | 75.4 | 81.2  | 83.9      | 83.0      | 87.3                 | 8.8                  | 78.5                 | 4th              | 90.9  | 15.6            | 6th             | 75.3 |
| October   | 82.0  | 85.1      | 86.3      | 89.5                 | 11.9                 | 77.6                 | 24th             | 92.1  | 19.2            | 31st                  | 72.9 | 81.8  | 85.4      | 85.6      | 89.5                 | 12.1                 | 77.4                 | 19th             | 91.5  | 18.7            | 30th            | 72.8 |
| November  | 73.8  | 77.0      | 80.7      | 83.9                 | 17.5                 | 66.4                 | 7th              | 87.3  | 28.7            | 30th                  | 58.6 | 74.7  | 79.5      | 80.9      | 84.4                 | 18.0                 | 66.4                 | 23rd             | 87.9  | 29.6            | 29th            | 58.3 |
| December  | 67.6  | 71.4      | 76.9      | 79.7                 | 22.6                 | 57.1                 | 10th             | 85.5  | 33.2            | 18th, 21st<br>& 24th. | 52.3 | 68.1  | 73.4      | 75.8      | 79.3                 | 21.4                 | 57.9                 | 10th             | 84.9  | 31.7            | 18th            | 53.2 |
| Year      | 77.9  | 81.2      | 85.6      | 88.9                 | 18.3                 | 70.6                 | ...              | 109.0 | 64.8            | ...                   | 44.2 | 77.6  | 81.7      | 84.1      | 87.8                 | 17.3                 | 70.5                 | ...              | 103.2 | 59.8            | ...             | 43.4 |

\* Mean of 30 days.



TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

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## 51. DACCA (corrected).

## 52. CHITTAGONG (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      |                 | LOWEST MINIMUM.       |      |                 | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      |                 | LOWEST MINIMUM. |   |                 |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------------|------|-----------------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|---|-----------------|
|           |       |           |           |                      |                      |                      | Day.             | o    | Absolute range. | Day.                  | o    | Absolute range. |       |           |           |                      |                      |                      | Day.             | o    | Absolute range. | Day.            | o | Absolute range. |
| January   | 66.9  | 70.3      | 74.6      | 77.8                 | 21.3                 | 56.5*                | 4th              | 85.3 | 35.2            | 29th & 31st           | 50.1 | 66.2            | 68.0  | 73.3      | 76.0      | 19.9                 | 56.1                 | 25th                 | 80.3             | 30.8 | 31st            | 49.5            |   |                 |
| February  | 69.5  | 73.4      | 79.2      | 82.6                 | 26.8                 | 55.8                 | 28th             | 89.6 | 42.7            | 6th                   | 46.9 | 69.0            | 71.8  | 77.3      | 80.2      | 23.9                 | 56.3                 | 18th                 | 86.8             | 40.4 | 6th             | 46.4            |   |                 |
| March     | 77.6  | 80.7      | 86.0      | 89.1                 | 21.7                 | 67.4                 | 23rd             | 96.7 | 38.5            | 8th                   | 58.2 | 75.8            | 79.4  | 81.4      | 85.2      | 18.6                 | 66.6                 | 17th                 | 90.3             | 31.9 | 14th            | 58.4            |   |                 |
| April     | 82.3  | 84.7      | 88.6      | 90.7                 | 16.5                 | 74.2                 | 30th             | 95.8 | 31.7            | 8th                   | 64.1 | 80.3            | 83.2  | 83.9      | 86.1      | 12.7                 | 73.4                 | 29th                 | 91.5             | 25.9 | 6th             | 65.6            |   |                 |
| May       | 82.1  | 85.4      | 85.6      | 89.9                 | 14.7                 | 75.2                 | 1st              | 94.4 | 25.4            | 13th                  | 69.0 | 81.5            | 84.0  | 85.6      | 87.5      | 12.8                 | 74.7                 | 20th                 | 90.9             | 22.2 | 5th             | 68.7            |   |                 |
| June      | 83.1  | 84.6      | 85.1      | 88.6                 | 9.9                  | 78.7                 | 14th             | 93.9 | 18.8            | 8th                   | 75.1 | 80.7            | 82.7  | 82.2      | 85.5†     | 8.8                  | 76.7                 | 13th                 | 89.6             | 15.8 | 4th             | 73.8            |   |                 |
| July      | 82.6  | 84.0      | 84.1*     | 87.5                 | 8.7                  | 78.8                 | 15th             | 91.1 | 16.0            | 6th & 7th             | 75.1 | 80.5            | 82.4  | 82.2      | 84.8      | 8.5                  | 76.3                 | 15th                 | 89.1             | 15.2 | 10th            | 73.9            |   |                 |
| August    | 82.1  | 83.0      | 83.4      | 86.0                 | 7.7                  | 78.3                 | 16th & 31st      | 89.4 | 14.1            | 7th                   | 75.3 | 79.5            | 81.4  | 81.1      | 83.8      | 8.0                  | 75.8                 | 20th                 | 87.9             | 13.9 | 13th            | 74.0            |   |                 |
| September | 82.7  | 83.8      | 84.5      | 87.2                 | 8.3                  | 78.9                 | 30th             | 90.5 | 15.8            | 7th                   | 74.7 | 80.7            | 82.7  | 83.0      | 85.9      | 9.8                  | 76.1                 | 29th                 | 90.4             | 16.4 | 1st             | 74.0            |   |                 |
| October   | 83.1  | 85.2      | 85.8      | 89.1                 | 12.2                 | 76.9                 | 19th             | 92.4 | 19.3            | 28th & 31st           | 73.1 | 80.8            | 83.5  | 84.2      | 86.8      | 11.8                 | 75.0                 | 17th                 | 90.9             | 20.1 | 31st            | 70.8            |   |                 |
| November  | 76.1  | 79.9      | 82.0      | 84.9                 | 18.5                 | 66.4                 | 23rd             | 89.0 | 29.6            | 30th                  | 59.4 | 74.8            | 77.4  | 80.0      | 82.5      | 16.1                 | 66.4                 | 5th & 6th            | 85.4             | 25.3 | 16th            | 60.1            |   |                 |
| December  | 69.9  | 73.0      | 76.9      | 79.6                 | 20.3                 | 59.3                 | 9th              | 84.9 | 28.9            | 17th, 18th<br>& 22nd. | 56.0 | 68.3            | 70.7  | 75.4      | 78.5      | 20.8                 | 57.7                 | 10th                 | 82.4             | 28.7 | 21st            | 53.7            |   |                 |
| Year      | 78.2  | 80.7      | 83.0      | 86.1                 | 15.6                 | 70.5                 | ...              | 96.7 | 49.8            | ...                   | 46.9 | 76.5            | 78.9* | 80.8      | 83.6      | 14.3                 | 69.3                 | ...                  | 91.5             | 45.1 | ...             | 46.4            |   |                 |

\* Mean of 30 days.

† Mean of 27 days.

## 53. DEMAGIRI (corrected).

## 54A. CALCUTTA (CHOWRINGHEE) (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      |                 | LOWEST MINIMUM. |                |                 | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM.            |       |                 | LOWEST MINIMUM. |      |                 |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|----------------|-----------------|-------|-----------|-----------|----------------------|----------------------|----------------------|-----------------------------|-------|-----------------|-----------------|------|-----------------|
|           |       |           |           |                      |                      |                      | Day.             | o    | Absolute range. | Day.            | o              | Absolute range. |       |           |           |                      |                      |                      | Day.                        | o     | Absolute range. | Day.            | o    | Absolute range. |
| January   | ...   | 63.6      | 72.6      | 74.0                 | ...                  | ...                  | 22nd &<br>25th.  | 78.9 | 25.3            | ...             | ...            | ...             | 66.6  | 69.4      | 76.0      | 78.0                 | 21.1                 | 56.9                 | 24th                        | 84.4  | 33.3            | 2nd             | 51.1 |                 |
| February  | ...   | 65.9      | 76.5      | 77.8                 | ...                  | ...                  | 19th             | 83.4 | 33.8            | ...             | ...            | ...             | 70.2  | 73.5      | 81.9      | 83.4                 | 24.2                 | 59.2                 | 27th                        | 92.0  | 44.1            | 6th             | 47.9 |                 |
| March     | ...   | 74.3      | 80.2      | 83.5*                | ...                  | ...                  | 18th             | 89.8 | 32.7            | ...             | ...            | ...             | 78.6  | 82.3      | 88.1      | 90.9                 | 21.1                 | 69.8                 | 23rd                        | 97.0  | 36.1            | 14th            | 60.9 |                 |
| April     | ...   | 78.9      | 85.2      | 86.9†                | ...                  | ...                  | 29th &<br>30th.  | 93.8 | 29.6            | ...             | ...            | ...             | 85.0  | 89.4      | 95.3      | 97.2                 | 21.0                 | 76.2                 | 20th                        | 103.8 | 37.9            | 6th             | 65.9 |                 |
| May       | ...   | 82.0      | 85.9      | 88.0†                | ...                  | ...                  | 19th             | 93.1 | 22.9            | ...             | ...            | ...             | 84.0  | 88.9      | 90.9      | 95.4                 | 17.9                 | 77.5                 | 10th                        | 102.0 | 33.1            | 13th            | 68.9 |                 |
| June      | ...   | 81.2      | 83.3      | 86.5                 | ...                  | Untrustworthy.       | 6th              | 92.4 | 18.2            | ...             | Untrustworthy. | ...             | 84.3  | 88.2      | 88.7      | 93.4                 | 13.4                 | 80.0                 | 3rd & 4th                   | 100.0 | 24.0            | 17th            | 76.0 |                 |
| July      | ...   | 80.8      | 82.2      | 85.5                 | ...                  | ...                  | 15th             | 90.9 | 16.7            | ...             | ...            | ...             | 82.3  | 85.5      | 85.1      | 90.1                 | 11.2                 | 78.9                 | 18th                        | 92.8  | 18.0            | 8th             | 74.8 |                 |
| August    | ...   | 80.9      | 81.6      | 84.8                 | ...                  | ...                  | 15th             | 89.9 | 15.7            | ...             | ...            | ...             | 82.4  | 85.7      | 85.5      | 89.7                 | 11.1                 | 78.6                 | 10th, 14th,<br>28th & 31st. | 92.0  | 16.2            | 8th & 26th      | 75.8 |                 |
| September | ...   | 82.0      | 83.1      | 86.2                 | ...                  | ...                  | 26th             | 89.9 | 15.7            | ...             | ...            | ...             | 81.9  | 85.5      | 84.4      | 89.2.                | 10.9                 | 78.3                 | 5th                         | 92.0  | 18.2            | 29th            | 73.8 |                 |
| October   | ...   | 81.6      | 84.1      | 87.1                 | ...                  | ...                  | 19th             | 91.1 | 18.9            | ...             | ...            | ...             | 82.2  | 85.9      | 86.4      | 90.0                 | 12.9                 | 77.1                 | 23rd                        | 92.5  | 19.2            | 5th             | 73.3 |                 |
| November  | ...   | 73.1      | 79.6      | 81.7                 | ...                  | ...                  | 5th              | 85.9 | 21.2            | ...             | ...            | ...             | 75.0  | 78.9      | 81.7      | 84.6                 | 17.4                 | 67.2                 | 24th &<br>25th.<br>9th      | 87.8  | 29.7            | 30th            | 58.1 |                 |
| December  | ...   | 64.5      | 73.7      | 74.8                 | ...                  | ...                  | 13th             | 81.2 | 26.1            | ...             | ...            | ...             | 68.3  | 72.3      | 76.5      | 79.5                 | 20.9                 | 58.6                 | ...                         | 86.7  | 34.6            | 18th            | 52.1 |                 |
| Year      | ...   | 75.7      | 80.7      | 83.1                 | ...                  | ...                  | ...              | 93.8 | 44.2            | ...             | ...            | ...             | 78.4  | 82.1      | 85.0      | 88.5                 | 16.9                 | 71.5                 | ...                         | 103.8 | 55.9            | ...             | 47.9 |                 |

\* Mean of 26 days.

† " " 29 "

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TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

## 54B. CALCUTTA (ALIPORE) (corrected).

## 55. SAUGOR ISLAND (corrected).

| MONTH.    | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | Mean of Maximum. | Mean daily range. | Mean of Minimum. | HIGHEST MAXIMUM.   |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | Mean of Maximum. | Mean daily range. | Mean of Minimum. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM.   |      |
|-----------|-------|----------|-----------|-----------|-----------|------------------|-------------------|------------------|--------------------|-------|-----------------|-----------------|------|-------|----------|-----------|-----------|-----------|------------------|-------------------|------------------|------------------|------|-----------------|-------------------|------|
|           |       |          |           |           |           |                  |                   |                  | Day.               | o     |                 | Day.            | o    |       |          |           |           |           |                  |                   |                  | Day.             | o    |                 | Day.              | o    |
| January   | 65.1  | 57.5     | 68.0      | 75.1      | 61.4      | 76.6             | 20.5              | 56.1             | 24th               | 83.0  | 32.6            | 30th            | 50.4 | 67.2  | 61.4     | 69.1      | 73.4      | 64.7      | 76.2             | 17.0              | 59.2             | 22nd             | 82.2 | 30.5            | 3rd, 14th & 30th. | 51.7 |
| February  | 68.2  | 59.4     | 71.7      | 80.5      | 64.0      | 82.1             | 24.2              | 57.9             | 27th               | 91.5  | 44.8            | 6th             | 46.7 | 70.6  | 65.6     | 73.2      | 77.5      | 65.9      | 80.8             | 18.7              | 62.1             | 26th             | 89.2 | 40.6            | 6th               | 48.6 |
| March     | 78.0  | 70.6     | 80.8      | 86.5      | 74.1      | 89.4             | 20.4              | 69.0             | 23rd               | 96.3  | 36.2            | 14th            | 60.1 | 79.2  | 76.0     | 81.2      | 82.8      | 76.9      | 86.6             | 12.7              | 73.9             | 2nd              | 92.2 | 29.3            | 14th              | 62.9 |
| April     | 85.2  | 76.4     | 88.1      | 93.7      | 80.4      | 96.2             | 21.0              | 75.2             | 14th & 20th        | 103.5 | 39.4            | 6th             | 64.1 | 83.6  | 80.5     | 85.8      | 86.7      | 81.3      | 90.4             | 10.9              | 79.5             | 16th             | 99.0 | 26.0            | 6th & 9th         | 73.0 |
| May       | 84.8  | 78.5     | 87.4      | 89.2      | 80.6      | 93.6             | 16.7              | 76.9             | 11th               | 100.5 | 32.1            | 13th            | 68.4 | 85.4  | 82.4     | 88.0      | 88.2      | 82.8      | 91.5             | 10.2              | 81.3             | 4th & 10th       | 93.0 | 21.6            | 14th              | 71.4 |
| June      | 85.1  | 80.7     | 86.9      | 87.6      | 82.1      | 91.9             | 12.8              | 79.1             | 4th                | 99.7  | 24.4            | 17th            | 75.3 | 85.0  | 82.7     | 86.3      | 87.3      | 83.6      | 90.2             | 8.4               | 81.8             | 13th             | 94.8 | 17.2            | 29th              | 77.6 |
| July      | 82.9  | 79.8     | 84.2      | 83.8      | 80.8      | 88.4             | 9.7               | 78.7             | 11th               | 92.5  | 17.8            | 8th             | 74.7 | 83.5  | 81.5     | 84.4      | 85.4      | 82.5      | 88.2             | 7.4               | 80.8             | 13th & 15th      | 91.0 | 13.0            | 22nd              | 78.0 |
| August    | 82.7  | 79.5     | 84.4      | 84.2      | 80.5      | 87.5             | 9.1               | 78.4             | 22nd & 23rd        | 89.8  | 14.3            | 26th            | 75.5 | 83.0  | 81.1     | 83.7      | 84.8      | 82.3      | 87.1             | 6.8               | 80.3             | 16th & 17th      | 90.2 | 13.6            | 4th               | 76.6 |
| September | 82.2  | 79.0     | 83.8      | 83.2      | 80.1      | 87.1             | 9.1               | 78.0             | 4th                | 89.5  | 15.3            | 29th            | 74.2 | 82.9  | 80.7     | 84.1      | 84.9      | 81.8      | 87.7             | 8.1               | 79.6             | 14th             | 90.8 | 16.8            | 29th              | 74.0 |
| October   | 81.6  | 77.6     | 84.2      | 84.8      | 79.0      | 87.7             | 10.8              | 76.9             | 13th, 15th & 17th. | 89.5  | 16.0            | 31st            | 73.5 | 81.6  | 78.8     | 83.5      | 84.3      | 79.6      | 87.7             | 9.7               | 78.0             | 17th             | 91.2 | 17.8            | 31st              | 73.4 |
| November  | 74.2  | 67.9     | 77.1      | 80.6      | 70.4      | 82.8             | 15.7              | 67.1             | 1st                | 85.8  | 25.8            | 30th            | 60.0 | 75.2  | 70.3     | 78.1      | 80.2      | 72.2      | 83.0             | 14.0              | 69.0             | 2nd & 6th        | 86.2 | 24.3            | 29th & 30th       | 61.9 |
| December  | 67.1  | 59.4     | 70.9      | 76.2      | 62.9      | 78.2             | 20.0              | 58.2             | 9th                | 84.8  | 32.7            | 18th            | 52.1 | 68.5  | 62.5     | 71.7      | 75.0      | 64.8      | 77.5             | 16.1              | 61.4             | 9th & 10th       | 85.2 | 31.4            | 21st              | 53.8 |
| Year      | 78.1  | 72.2     | 80.6      | 83.8      | 74.7      | 86.8             | 15.8              | 71.0             | ...                | 103.5 | 56.8            | ...             | 46.7 | 78.8  | 75.3     | 80.8      | 82.5      | 76.5      | 85.6             | 11.7              | 73.9             | ...              | 99.0 | 50.4            | ...               | 48.6 |

## 56. CUTTACK (corrected).

## 57. FALSE POINT (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maximum. | Mean daily range. | Mean of Minimum. | HIGHEST MAXIMUM.   |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maximum. | Mean daily range. | Mean of Minimum. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|------------------|-------------------|------------------|--------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|------------------|-------------------|------------------|------------------|------|-----------------|-----------------|------|
|           |       |           |           |                  |                   |                  | Day.               | o     |                 | Day.            | o    |       |           |           |                  |                   |                  | Day.             | o    |                 | Day.            | o    |
| January   | 70.8  | 72.2      | 81.0      | 83.9             | 24.0              | 59.9             | 24th               | 89.9  | 37.1            | 4th             | 52.8 | 70.3  | 72.9      | 75.1      | 77.6             | 12.2              | 65.4             | 25th             | 83.4 | 31.4            | 5th             | 52.0 |
| February  | 74.6  | 76.0      | 87.5      | 90.2             | 28.1              | 62.1             | 28th               | 100.2 | 47.5            | 6th & 8th       | 52.7 | 70.7  | 77.5      | 79.0      | 81.4             | 19.1              | 62.3             | 26th             | 87.1 | 35.5            | 6th             | 51.6 |
| March     | 81.8  | 83.0      | 91.5      | 94.9             | 22.5              | 72.4             | 29th               | 104.4 | 38.6            | 8th             | 65.8 | 77.6  | 83.1*     | 82.9      | 86.0             | 13.8              | 72.2             | 15th             | 89.6 | 26.2            | 10th            | 63.4 |
| April     | 87.4  | 89.5      | 98.0      | 102.0            | 25.7              | 76.3             | 19th               | 106.4 | 39.6            | 4th             | 66.8 | 82.2  | 86.1      | 85.9      | 88.5             | 10.1              | 78.4             | 16th             | 90.6 | 22.3            | 5th             | 68.3 |
| May       | 87.1  | 91.1      | 94.9*     | 101.2            | 24.4              | 76.8             | 5th                | 106.6 | 32.5            | 21st & 22nd.    | 74.0 | 83.4  | 87.9      | 87.6      | 90.3             | 11.2              | 79.1             | 29th & 31st      | 91.7 | 20.3            | 18th            | 71.4 |
| June      | 84.5  | 87.7      | 89.1      | 96.1             | 18.1              | 78.0             | 12th               | 103.0 | 28.5            | 5th             | 74.5 | 83.3  | 86.9      | 87.0      | 89.9             | 10.4              | 79.5             | 4th              | 95.4 | 22.1            | 11th            | 73.3 |
| July      | 83.0  | 85.5      | 85.9      | 92.8             | 14.2              | 78.6             | 14th               | 100.4 | 24.9            | 23rd            | 75.5 | 81.6  | 84.1      | 84.8      | 87.1             | 8.7               | 78.4             | 1st              | 90.5 | 16.6            | 29th            | 73.9 |
| August    | 83.2  | 85.9      | 85.3      | 92.0†            | 13.7              | 78.3             | 3rd & 17th         | 97.4  | 21.4            | 22nd            | 76.0 | 82.2  | 85.4      | 85.4      | 87.3             | 8.4               | 78.9             | 28th             | 91.5 | 15.2            | 31st            | 76.3 |
| September | 82.4  | 85.6      | 85.0      | 92.6             | 16.1              | 76.5             | 27th, 28th & 31st. | 96.2  | 21.6            | 6th             | 74.6 | 81.6  | 85.5†     | 85.3      | 87.8             | 9.9               | 77.9             | 12th             | 91.3 | 18.2            | 7th             | 73.1 |
| October   | 81.7  | 84.8      | 84.5      | 92.1             | 15.8              | 76.3             | 27th               | 103.4 | 29.0            | 31st            | 74.4 | 81.5  | 86.5      | 85.4      | 88.0             | 10.5              | 77.5             | 16th & 26th      | 89.5 | 16.6            | 31st            | 72.9 |
| November  | 76.9  | 80.0      | 82.5      | 87.4             | 18.7              | 68.7             | 1st                | 96.8  | 36.8            | 30th            | 60.0 | 75.0  | 80.6      | 80.7      | 83.0             | 13.8              | 69.2             | 9th              | 87.1 | 28.1            | 30th            | 59.0 |
| December  | 70.1  | 72.9      | 78.8      | 85.7             | 25.6              | 60.1             | 3rd & 30th         | 86.8  | 32.0            | 19th            | 54.8 | 67.8  | 74.4      | 76.4      | 78.8             | 19.6              | 59.2             | 12th             | 82.4 | 31.4            | 20th            | 51.0 |
| Year      | 80.3  | 82.9      | 87.0      | 92.6             | 20.6              | 72.0             | ...                | 106.6 | 53.9            | ...             | 52.7 | 78.1  | 82.6      | 83.0      | 85.5             | 12.3              | 73.2             | ...              | 95.4 | 43.8            | ...             | 51.6 |

\* Mean of 30 days.

† " " 29 "

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

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58. SAMBALPUR (*corrected*).59. RAIPUR (*corrected*).

| MONTH.     | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|------------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|            |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |
| January .  | 67.1  | 70.4      | 78.8      | 80.2                 | 24.9                 | 55.3                 | 24th             | 88.2  | 39.2            | 2nd & 30th      | 49.0 | 66.2  | 68.6      | 77.3      | 78.9                 | 23.9                 | 55.0                 | 24th             | 84.9  | 36.3            | 2nd             | 48.6 |
| February . | 72.4  | 76.8      | 87.0      | 88.3                 | 30.5                 | 57.8                 | 28th             | 99.6  | 51.9            | 6th             | 47.7 | 72.0  | 76.9      | 84.8      | 86.7                 | 27.5                 | 59.2                 | 28th             | 99.0  | 50.4            | 4th             | 48.6 |
| March .    | 80.1  | 84.3      | 92.6      | 94.5                 | 26.9                 | 67.6                 | 31st             | 104.8 | 43.0            | 14th            | 61.8 | 80.1  | 84.4      | 92.0      | 93.8                 | 25.7                 | 68.1                 | 31st             | 104.0 | 43.1            | 13th            | 60.9 |
| April .    | 89.0  | 96.0      | 104.4     | 106.0                | 32.5                 | 73.5                 | 25th             | 110.3 | 49.5            | 5th             | 60.8 | 89.0  | 94.9      | 102.3     | 104.5                | 28.8                 | 75.7                 | 27th             | 109.8 | 45.5            | 5th             | 64.3 |
| May .      | 91.3  | 94.9      | 102.5     | 104.7                | 24.7                 | 80.0                 | 11th             | 110.7 | 40.5            | 14th            | 70.2 | 90.7  | 94.6      | 101.8     | 104.6                | 25.0                 | 79.6                 | 12th             | 110.8 | 38.0            | 4th             | 72.8 |
| June .     | 84.5  | 86.6      | 89.8      | 93.8                 | 14.6                 | 79.2                 | 13th             | 107.3 | 32.5            | 5th             | 74.8 | 86.0  | 84.5      | 92.0*     | 96.4                 | 16.5                 | 79.9†                | 13th             | 107.6 | 32.4            | 16th            | 75.2 |
| July .     | 80.6  | 83.0      | 83.9      | 87.8                 | 10.5                 | 77.3                 | 1st              | 94.7  | 20.4            | 22nd            | 74.3 | ?     | 81.1      | 82.6      | 86.0                 | ?                    | Imper-<br>fect.      | 2nd              | 91.7  | ?               | ...             | ?    |
| August .   | 81.1  | 84.2      | 84.5      | 88.7                 | 11.0                 | 77.7                 | 12th             | 91.3  | 17.0            | 23rd            | 74.3 | 80.3  | 83.0      | 84.8      | 87.9                 | 12.2                 | 75.7                 | 11th &<br>17th.  | 91.0  | 17.4            | 27th            | 73.6 |
| September  | 81.1  | 84.5      | 85.1      | 89.1                 | 12.0                 | 77.1                 | 1st              | 95.0  | 20.9            | 14th            | 74.1 | 80.6  | 84.2      | 86.3      | 89.7                 | 14.9                 | 74.8                 | 25th &<br>27th.  | 94.4  | 22.0            | 19th &<br>26th. | 72.4 |
| October .  | 80.7  | 85.2      | 86.2      | 89.7                 | 14.5                 | 75.2                 | 24th             | 92.9  | 21.2            | 31st            | 71.7 | 79.0  | 82.5      | 84.9      | 87.9                 | 14.9                 | 73.0                 | 23rd             | 91.5  | 23.1            | 11th            | 68.4 |
| November   | 73.7  | 78.1      | 82.0      | 84.0                 | 18.7                 | 65.3                 | 1st              | 89.0  | 31.7            | 16th & 30th     | 57.3 | 71.6  | 76.4      | 80.8      | 82.6                 | 20.2                 | 62.4                 | 12th             | 87.5  | 31.5            | 22nd            | 56.0 |
| December   | 67.1  | 70.8      | 78.6      | 80.1                 | 24.5                 | 55.6                 | 13th             | 82.5  | 33.7            | 21st            | 48.8 | 66.7  | 70.0      | 78.2      | 79.5                 | 24.4                 | 55.1                 | 15th             | 82.1  | 32.4            | 18th            | 49.7 |
| Year .     | 79.1  | 82.9      | 88.0      | 90.6                 | 20.4                 | 70.1                 | ...              | 110.7 | 63.0            | ...             | 47.7 | ?     | 81.8      | 87.3      | 89.9                 | ?                    | ?                    | ...              | 110.8 | 62.2            | ...             | 48.6 |

\* Mean of 29 days.

† Mean of 21 days.

60. NAGPUR (*corrected*).61. SEONI (*corrected*).

| MONTH.     | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|------------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|            |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |
| January .  | 67.0  | 70.9      | 79.4      | 81.1                 | 26.6                 | 54.5                 | 25th             | 88.6  | 40.4            | 29th            | 48.2 | 63.1  | 69.0      | 75.0      | 77.9                 | 26.7                 | 51.2                 | 24th             | 83.8  | 40.3            | 1st             | 43.5 |
| February . | 73.2  | 77.2      | 87.1      | 88.6                 | 29.4                 | 59.2                 | 28th             | 101.2 | 57.0            | 5th             | 44.2 | 67.8  | 72.4      | 80.7      | 84.0                 | 29.1                 | 54.9                 | 27th             | 96.3  | 51.7            | 4th             | 44.6 |
| March .    | 80.7  | 87.1      | 94.5      | 96.8                 | 29.9                 | 66.9                 | 31st             | 106.2 | 46.0            | 13th            | 60.2 | 75.8  | 82.3      | 88.7      | 92.2                 | 29.4                 | 62.8                 | 31st             | 100.2 | 45.7            | 13th            | 54.5 |
| April .    | 88.5  | 96.8      | 103.5     | 106.3                | 32.8                 | 73.5                 | 26th             | 110.7 | 47.4            | 4th             | 63.3 | 83.7  | 93.0      | 98.2      | 103.6                | 34.4                 | 69.2                 | 25th             | 109.8 | 49.9            | 4th             | 59.9 |
| May .      | 92.3  | 98.9      | 103.1     | 107.8                | 26.4                 | 81.4                 | 13th             | 114.2 | 40.9            | 20th            | 73.3 | 87.5  | 94.1      | 98.2      | 102.7                | 26.0                 | 76.7                 | 13th             | 107.9 | 38.6            | 19th            | 69.3 |
| June .     | 83.6  | 89.3      | 89.9      | 98.2                 | 21.0                 | 77.2                 | 11th             | 109.2 | 36.1            | 26th            | 73.1 | 79.6  | 85.5      | 84.9      | 92.2                 | 17.9                 | 74.3                 | 13th             | 102.4 | 31.1            | 7th             | 71.3 |
| July .     | 79.9  | 82.1      | 84.5      | 88.2                 | 13.0                 | 75.2                 | 8th              | 94.0  | 22.9            | 11th & 15th     | 71.1 | 76.3  | 78.8      | 79.9      | 83.5                 | 10.8                 | 72.7                 | 7th &<br>10th.   | 89.0  | 18.6            | 22nd &<br>23rd. | 70.4 |
| August .   | 80.0  | 83.7      | 84.8      | 90.0                 | 14.9                 | 75.1                 | 8th              | 95.9  | 25.0            | 29th            | 70.9 | 76.2  | 79.7      | 80.3      | 84.1                 | 12.0                 | 72.1                 | 5th              | 87.7  | 18.7            | 28th            | 69.0 |
| September  | 82.3  | 87.2      | 90.1      | 94.2                 | 19.7                 | 74.5                 | 27th             | 100.0 | 28.9            | 27th            | 71.1 | 77.4  | 83.3      | 84.5      | 88.5                 | 18.3                 | 70.2                 | 27th             | 94.6  | 29.6            | 27th            | 65.0 |
| October .  | 78.5  | 83.1      | 84.3      | 88.1                 | 15.5                 | 72.6                 | 15th             | 92.7  | 26.0            | 11th            | 66.7 | 74.8  | 79.6      | 80.9      | 84.7                 | 16.1                 | 68.6                 | 24th             | 89.8  | 27.3            | 11th            | 62.5 |
| November   | 73.2  | 79.2      | 83.7      | 85.8                 | 23.2                 | 62.6                 | 12th             | 89.7  | 34.1            | 19th            | 55.6 | 68.0  | 75.1      | 78.3      | 81.5                 | 23.9                 | 57.6                 | 19th             | 84.7  | 33.6            | 28th            | 51.1 |
| December   | 67.6  | 71.6      | 79.3      | 81.0                 | 25.2                 | 55.8                 | 6th              | 83.3  | 33.1            | 20th            | 50.2 | 62.4  | 69.3      | 73.8      | 76.9                 | 25.9                 | 51.0                 | 21st             | 80.9  | 36.0            | 6th             | 44.9 |
| Year .     | 78.9  | 83.9      | 88.7      | 92.2                 | 23.1                 | 69.0                 | ...              | 114.2 | 70.0            | ...             | 44.2 | 74.4  | 80.2      | 83.6      | 87.7                 | 22.5                 | 65.1                 | ...              | 109.8 | 66.3            | ..              | 43.5 |

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TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

62. JUBBULPORE (*corrected*).63. SAUGOR (*corrected*).

| MONTH.      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM.      |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-------------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|----------------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|             |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.                 | o    |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |
| January .   | 61.7  | 63.8      | 74.4      | 75.7                 | 26.8                 | 48.9                 | 23rd             | 82.1  | 42.6            | 1st                  | 39.5 | 63.1  | 66.8      | 74.0      | 75.2                 | 23.0                 | 52.2                 | 18th             | 81.3  | 38.0            | 28th            | 43.3 |
| February .  | 64.9  | 68.3      | 79.7      | 80.4                 | 30.3                 | 50.1                 | 27th &<br>28th.  | 92.6  | 54.9            | 5th                  | 37.7 | 64.8  | 67.8      | 77.5      | 78.2                 | 26.2                 | 52.0                 | 27th             | 91.3  | 49.2            | 4th             | 42.1 |
| March .     | 74.9  | 80.3      | 88.7      | 90.6                 | 29.6                 | 61.0                 | 30th             | 98.9  | 44.8            | 13th                 | 54.1 | 76.4  | 81.5      | 88.2      | 89.4                 | 24.8                 | 64.6                 | 30th             | 97.6  | 41.2            | 10th            | 56.4 |
| April .     | 83.3  | 91.7      | 99.5      | 101.1                | 34.1                 | 67.0                 | 24th             | 107.2 | 52.3            | 5th                  | 54.9 | 84.7  | 92.4      | 98.5      | 100.0                | 29.1                 | 70.9                 | 29th             | 107.4 | 49.8            | 2nd             | 57.6 |
| May .       | 89.0  | 95.7      | 100.9     | 104.1                | 27.0                 | 77.1                 | 15th             | 108.4 | 41.7            | 19th                 | 66.7 | 91.1  | 96.5      | 102.7     | 104.7                | 25.3                 | 79.4                 | 27th             | 110.0 | 37.8            | 19th            | 72.2 |
| June .      | 83.5  | 88.1      | 89.9      | 95.2                 | 18.1                 | 77.1                 | 14th             | 107.9 | 35.1            | 15th                 | 72.8 | 84.9  | 88.2      | 92.8      | 96.3                 | 19.3                 | 77.0                 | 11th &<br>14th.  | 105.4 | 32.8            | 26th            | 72.6 |
| July .      | 78.3  | 80.8      | 81.9      | 85.7                 | 11.1                 | 74.6                 | 1st & 2nd        | 93.0  | 20.2            | 9th, 12th<br>& 29th. | 72.8 | 77.3  | 79.0*     | 80.8†     | 84.3†                | 10.5                 | 73.8*                | 1st              | 91.5  | 19.9            | 25th &<br>30th. | 71.6 |
| August .    | 78.5  | 80.8      | 82.8      | 85.5                 | 11.3                 | 74.2                 | 11th             | 90.5  | 19.1            | 12th                 | 71.4 | 77.1  | 79.1*     | 81.8*     | 83.8*                | 11.4                 | 72.4*                | 12th             | 90.3  | 20.5            | 29th            | 69.8 |
| September . | 79.7  | 82.7      | 87.3      | 89.4                 | 17.3                 | 72.1                 | 27th             | 94.6  | 27.9            | 27th                 | 66.7 | 78.6  | 81.9      | 86.7      | 88.2                 | 17.8                 | 70.4                 | 26th             | 94.0  | 26.3            | 19th            | 67.7 |
| October .   | 75.8  | 80.4      | 81.8      | 85.5                 | 15.8                 | 69.7                 | 24th             | 90.1  | 27.3            | 12th                 | 62.8 | 75.1  | 79.8      | 81.2      | 84.6                 | 15.7                 | 68.9                 | 1st              | 87.8  | 25.1            | 11th &<br>31st. | 62.7 |
| November .  | 67.9  | 73.8      | 79.9      | 81.9                 | 26.1                 | 55.8                 | 13th             | 86.5  | 36.4            | 16th                 | 50.1 | 69.5  | 76.5      | 80.2      | 81.6                 | 22.9                 | 58.7                 | 19th             | 85.3  | 31.5            | 23rd &<br>30th. | 53.8 |
| December .  | 61.1  | 65.2      | 74.0      | 76.2                 | 28.0                 | 48.2                 | 23rd             | 80.3  | 39.8            | 19th                 | 40.5 | 63.6  | 68.5      | 73.7      | 75.4                 | 21.9                 | 53.5                 | 22nd             | 79.9  | 32.0            | 30th            | 47.9 |
| Year .      | 74.9  | 79.3      | 85.1      | 87.6                 | 23.0                 | 64.7                 | ...              | 108.4 | 70.7            | ...                  | 37.7 | 75.5  | 79.8      | 84.8      | 86.8                 | 20.7                 | 66.2                 | ...              | 110.0 | 67.9            | ...             | 42.1 |

\* Mean of 30 days.

† " " 29 "

64. PACHMARHI (*corrected*).65. HOSHANGABAD (*corrected*).

| MONTH.      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM.      |      | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-------------|-------|-----------|-----------|----------------------|----------------------|----------------------|-----------------------|------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|             |       |           |           |                      |                      |                      | Day.                  | o    |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |
| January .   | 57.0  | 64.5      | 66.8      | 67.5                 | 20.3                 | 47.2                 | 22nd                  | 73.8 | 36.0            | 29th            | 37.8 | 65.0  | 66.1      | 76.8      | 79.0                 | 25.8                 | 53.2                 | 17th             | 84.1  | 39.5            | 29th            | 44.6 |
| February .  | 60.9  | 67.9      | 72.0      | 72.6                 | 22.9                 | 49.7                 | 26th & 28th           | 83.1 | 47.5            | 5th             | 35.6 | 67.4  | 69.2      | 82.3      | 83.8                 | 31.3                 | 52.5                 | 28th             | 95.5  | 54.6            | 5th             | 40.9 |
| March .     | 70.5  | 75.8      | 80.6      | 82.8                 | 22.4                 | 60.4                 | 30th                  | 90.2 | 39.8            | 13th            | 50.4 | 78.5  | 83.2      | 92.2      | 94.4                 | 29.6                 | 64.8*                | 30th             | 101.7 | 44.0            | 13th            | 57.7 |
| April .     | 78.5  | 85.4      | 89.8      | 91.9                 | 24.7                 | 67.2                 | 27th                  | 98.7 | 48.4            | 2nd             | 50.3 | 86.0  | 94.1      | 101.8     | 104.9                | 34.7                 | 70.2                 | 27th             | 112.4 | 53.8            | 4th             | 58.6 |
| May .       | 84.2  | 88.2      | 93.0      | 93.2                 | 17.8                 | 75.4                 | 28th                  | 97.6 | 30.4            | 19th            | 67.2 | 93.6  | 98.6      | 105.6     | 108.8                | 27.3                 | 81.5                 | 25th             | 112.7 | 41.5            | 4th             | 71.2 |
| June .      | 76.3  | 77.4      | 81.6      | 82.2                 | 11.2                 | 71.0                 | 11th                  | 92.7 | 29.1            | 1st             | 63.6 | 84.5  | 88.5      | 91.5      | 98.1                 | 20.6                 | 77.5                 | 8th              | 108.3 | 34.4            | 29th            | 73.9 |
| July .      | 70.7  | 70.7      | 73.5      | 75.3                 | 7.4                  | 67.9                 | 2nd                   | 81.2 | 15.7            | 27th            | 65.5 | 78.5  | 79.4      | 81.8      | 85.8                 | 10.6                 | 75.2                 | 2nd              | 95.2  | 22.2            | 23rd            | 73.0 |
| August .    | 70.0  | 70.8      | 73.0      | 75.3                 | 8.3                  | 67.0                 | 13th                  | 80.5 | 16.0            | 26th            | 64.5 | 78.4  | 79.9      | 82.4      | 86.7                 | 12.4                 | 74.3*                | 13th             | 91.4  | 18.8            | 6th             | 72.6 |
| September . | 72.1  | 74.9      | 78.1      | 79.9                 | 13.9                 | 66.0                 | 24th                  | 85.5 | 24.5            | 21st            | 61.0 | 80.9  | 84.0      | 89.2      | 92.0                 | 19.5                 | 72.5                 | 28th             | 98.3  | 29.6            | 21st            | 68.7 |
| October .   | 69.1  | 73.0      | 73.8      | 77.0                 | 12.7                 | 64.3                 | 13th                  | 79.6 | 22.4            | 11th            | 57.2 | 78.4  | 81.5      | 84.8      | 88.7                 | 16.7                 | 72.0                 | 1st              | 93.1  | 27.5            | 12th            | 65.6 |
| November .  | 62.4  | 69.9      | 71.3      | 73.9                 | 20.5                 | 53.4                 | 13th                  | 77.6 | 30.0            | 5th & 29th      | 47.6 | 71.3  | 76.5      | 82.8      | 86.1                 | 26.4                 | 59.7                 | 12th             | 88.4  | 33.7            | 16th            | 54.7 |
| December .  | 56.2  | 61.1      | 65.9      | 69.3                 | 22.8                 | 46.5                 | 22nd, 23rd &<br>29th. | 72.3 | 33.4            | 19th            | 38.9 | 63.8  | 66.8      | 75.0      | 78.2                 | 25.6                 | 52.6                 | 1st              | 82.8  | 36.2            | 8th             | 46.6 |
| Year .      | 69.0  | 73.6      | 76.6      | 78.4                 | 17.1                 | 61.3                 | ...                   | 98.7 | 63.1            | ...             | 35.6 | 77.2  | 80.7      | 87.2      | 90.5                 | 23.4                 | 67.2                 | ...              | 112.7 | 71.8            | ...             | 40.9 |

\* Mean of 30 days.

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

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## 66. KHANDWA (corrected).

## 67. CHANDA (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |
| January   | 66.3  | 70.9      | 80.6      | 82.0                 | 30.0                 | 52.0                 | 30th             | 87.5  | 44.0            | 29th            | 43.5 | 67.1  | 74.5      | 80.7      | 85.2                 | 31.8                 | 53.4                 | 25th             | 92.8  | 48.2            | 12th            | 44.6 |
| February  | 69.9  | 74.5      | 86.2      | 87.6                 | 34.0                 | 53.6                 | 26th             | 99.0  | 60.9            | 4th             | 38.1 | 73.7  | 80.1      | 89.2      | 91.5                 | 33.4                 | 58.1                 | 27th & 28th      | 101.1 | 56.7            | 5th             | 44.4 |
| March     | 80.0  | 85.5      | 94.5      | 96.1                 | 30.7                 | 65.4                 | 30th             | 102.4 | 46.3            | 13th            | 56.1 | 81.2  | 88.3      | 96.6      | 99.4                 | 33.6                 | 65.8                 | 31st             | 106.9 | 49.7            | 14th            | 57.2 |
| April     | 87.4  | 93.6      | 102.6     | 104.9                | 32.8                 | 72.1                 | 27th             | 112.2 | 55.1            | 5th             | 57.1 | 88.9  | 97.5      | 105.3     | 108.2                | 35.7                 | 72.5                 | 25th             | 112.8 | 54.2            | 5th             | 58.6 |
| May       | 93.0  | 95.4      | 104.0     | 107.4                | 25.4                 | 82.0                 | 23rd             | 112.0 | 38.3            | 5th             | 73.7 | 92.0  | 95.6      | 103.9     | 106.9                | 26.9                 | 80.0                 | 11th             | 113.7 | 40.0            | 16th & 20th.    | 73.7 |
| June      | 83.7  | 85.9      | 91.1      | 96.3                 | 20.0                 | 76.3                 | 11th             | 103.9 | 31.0            | 29th & 30th.    | 72.9 | 83.8  | 86.7      | 90.8      | 94.9                 | 18.2                 | 76.7                 | 12th             | 105.1 | 33.5            | 7th             | 71.6 |
| July      | 79.3  | 79.9      | 84.2      | 86.3                 | 12.0                 | 74.3                 | 10th             | 93.6  | 22.2            | 27th            | 71.4 | 79.8  | 81.3      | 84.4      | 87.3                 | 12.1                 | 75.2                 | 31st             | 92.8  | 20.4            | 9th             | 72.4 |
| August    | 78.4  | 80.0      | 83.0      | 86.1                 | 12.4                 | 73.7                 | 11th             | 92.9  | 21.1            | 25th            | 71.8 | 80.5  | 83.0      | 85.3      | 88.7                 | 13.1                 | 75.6                 | 8th              | 94.1  | 21.0            | 9th             | 73.1 |
| September | 80.2  | 82.2      | 88.3      | 90.3                 | 18.2                 | 72.1                 | 28th & 29th.     | 97.4  | 27.7            | 14th            | 69.7 | 81.8  | 86.1      | 89.4      | 92.5                 | 18.4                 | 74.1                 | 27th             | 96.9  | 26.3            | 28th            | 70.6 |
| October   | 78.2  | 82.2      | 85.2      | 89.1                 | 18.0                 | 71.1                 | 14th             | 92.9  | 31.6            | 12th            | 61.3 | 79.7  | 83.8      | 86.3      | 90.0                 | 17.0                 | 73.0                 | 24th             | 93.5  | 28.4            | 11th            | 65.1 |
| November  | 71.7  | 79.7      | 85.3      | 87.2                 | 29.2                 | 58.0                 | 14th             | 90.5  | 38.4            | 22nd & 23rd.    | 52.1 | 73.2  | 79.2      | 84.9      | 87.3                 | 25.9                 | 61.4                 | 12th             | 91.6  | 39.2            | 30th            | 52.4 |
| December  | 64.8  | 71.2      | 77.7      | 80.0                 | 28.1                 | 51.9                 | 22nd             | 84.6  | 41.6            | 8th             | 43.0 | 67.2  | 72.7      | 81.3      | 83.4                 | 30.4                 | 53.0                 | 14th             | 87.2  | 42.1            | 21st            | 45.1 |
| Year      | 77.7  | 81.8      | 88.6      | 91.1                 | 24.2                 | 66.9                 | ...              | 112.2 | 74.1            | ...             | 38.1 | 79.1  | 84.1      | 89.8      | 92.9                 | 24.7                 | 68.2                 | ...              | 113.7 | 69.3            | ...             | 44.4 |

## 68. SIRONCHA (corrected).

## 69. CHIKALDA (corrected).

| MONTH.    | Mean.                           | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      |
|-----------|---------------------------------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|
|           |                                 |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o    |                 | Day.            | o    |
| January   | 70.6                            | 72.5      | 82.2      | 84.1                 | 25.1                 | 59.0                 | 25th             | 90.7  | 40.4            | 12th            | 50.3 | 61.7  | 64.9      | 68.5      | 70.4                 | 15.6                 | 54.8                 | 23rd             | 74.2 | 23.0            | 1st             | 51.2 |
| February  | 77.5                            | 78.9      | 90.8      | 92.7                 | 28.6                 | 64.1                 | 26th             | 102.0 | 50.7            | 5th             | 51.3 | 67.4  | 69.9      | 75.4      | 76.8                 | 17.4                 | 59.4                 | 26th             | 87.2 | 41.5            | 4th             | 45.7 |
| March     | 85.2                            | 85.1      | 97.3      | 99.6                 | 26.5                 | 73.1                 | 31st             | 105.7 | 40.7            | 14th            | 65.0 | 73.9  | 75.9      | 82.2      | 84.0                 | 18.5                 | 65.5                 | 30th             | 90.7 | 32.9            | 9th             | 57.8 |
| April     | 92.4                            | 92.8      | 105.1     | 107.1                | 27.4                 | 79.7                 | 20th             | 111.1 | 45.5            | 6th             | 65.6 | 81.2  | 84.7      | 89.7      | 91.9                 | 19.2                 | 72.7                 | 26th             | 98.4 | 37.7            | 2nd             | 60.7 |
| May       | 94.1                            | 92.6      | 104.2     | 106.5                | 22.6                 | 83.9                 | 11th             | 113.3 | 35.0            | 5th             | 78.3 | 82.8  | 85.5      | 90.6      | 93.5                 | 18.6                 | 74.9                 | 14th             | 97.8 | 28.1            | 29th            | 69.7 |
| June      | 85.3                            | 84.5      | 91.6      | 94.4                 | 15.5                 | 78.9                 | 12th             | 106.3 | 32.9            | 5th             | 73.4 | 73.9  | 74.7      | 79.8      | 82.2                 | 14.3                 | 67.9                 | 11th             | 91.3 | 27.6            | 1st             | 63.7 |
| July      | 79.6                            | 80.2      | 83.2      | 86.3                 | 10.3                 | 76.0                 | 6th & 28th.      | 90.9  | 18.0            | 10th            | 72.9 | 68.6  | 69.1      | 71.2      | 73.4                 | 7.5                  | 65.9                 | 7th              | 78.2 | 14.6            | 22nd            | 63.6 |
| August    | 80.9                            | 81.6      | 83.7      | 87.3                 | 10.5                 | 76.8                 | 12th             | 93.7  | 19.2            | 27th            | 74.5 | 68.7  | 69.8      | 71.8      | 73.7                 | 8.2                  | 65.5                 | 11th             | 78.5 | 15.5            | 26th            | 63.0 |
| September | 82.5                            | 84.1      | 88.2      | 91.2                 | 14.5                 | 76.7                 | 28th             | 96.7  | 24.3            | 16th            | 72.4 | 70.6  | 72.6      | 75.5      | 77.8                 | 12.2                 | 65.6                 | 23rd             | 83.7 | 20.4            | 9th             | 63.3 |
| October   | 80.5                            | 82.3      | 85.2      | 88.7                 | 12.9                 | 75.8                 | 11th & 28th.     | 91.5  | 17.5            | 4th             | 74.0 | 69.4  | 72.1      | 73.0      | 76.2                 | 10.5                 | 65.7                 | 14th             | 79.9 | 17.3            | 12th            | 62.6 |
| November  | 76.4                            | 79.0*     | 84.8*     | 87.3*                | 19.4                 | 67.9*                | 1st              | 90.7  | 30.8            | 16th            | 59.9 | 66.4  | 71.2      | 72.0      | 74.4                 | 13.6                 | 60.8                 | 3rd & 13th.      | 77.2 | 20.9            | 7th             | 56.3 |
| December  | Observatory temporarily closed. |           |           |                      |                      |                      |                  |       |                 |                 |      | 62.1  | 64.9      | 67.7      | 69.7                 | 13.2                 | 56.5                 | 20th             | 73.1 | 19.6            | 9th             | 53.5 |
| Year      | ?                               | ?         | ?         | ?                    | ?                    | ?                    |                  | 113.3 | ?               |                 | ?    | 70.6  | 72.9      | 76.5      | 78.7                 | 14.1                 | 64.6                 | ...              | 98.4 | 52.7            | ...             | 45.7 |

\* Mean of 20 days.

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

## 70. BULDANA (corrected).

## 71. AKOLA (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | °     |                 | Day.            | °    |       |           |           |                      |                      |                      | Day.             | °     |                 | Day.            | °    |
| January   | 66.8  | 70.8      | 76.3      | 78.3                 | 21.1                 | 57.2                 | 30th             | 83.9  | 31.4            | 2nd             | 52.5 | 66.4  | 70.9      | 80.9      | 81.8                 | 29.9                 | 51.9                 | 22nd             | 87.5  | 42.1            | 12th            | 45.4 |
| February  | 73.4  | 77.7      | 85.1      | 86.5                 | 24.8                 | 61.7                 | 27th             | 98.1  | 49.0            | 4th             | 49.1 | 72.6  | 78.0      | 89.5      | 90.0                 | 34.8                 | 55.7                 | 28th             | 99.9  | 59.7            | 3rd & 5th       | 40.2 |
| March     | 80.2  | 83.9      | 91.3      | 92.4                 | 23.4                 | 69.0                 | 30th & 31st      | 97.8  | 36.9            | 9th & 12th      | 60.9 | 80.6  | 87.6      | 96.0      | 97.5                 | 32.3                 | 65.2                 | 31st             | 103.8 | 48.5            | 11th            | 55.3 |
| April     | 87.6  | 91.3      | 98.2      | 99.6                 | 22.6                 | 77.0                 | 27th             | 106.0 | 39.3            | 2nd             | 66.7 | 87.9  | 96.7      | 104.5     | 105.8                | 34.6                 | 71.2                 | 27th             | 112.1 | 56.2            | 4th             | 55.9 |
| May       | 88.9  | 91.3      | 98.3      | 101.3                | 21.8                 | 79.5                 | 15th             | 106.1 | 32.3            | 9th             | 73.8 | 93.7  | 97.8      | 105.4     | 107.8                | 25.8                 | 82.0                 | 14th             | 113.5 | 41.3            | 19th            | 72.2 |
| June      | 78.9  | 81.8      | 85.1      | 90.5                 | 17.8                 | 72.7                 | 9th              | 98.7  | 30.4            | 30th            | 68.3 | 84.1  | 88.0      | 92.2      | 96.9                 | 20.9                 | 76.0                 | 9th              | 107.8 | 37.1            | 16th            | 70.7 |
| July      | 75.5  | 77.1      | 80.6      | 82.4                 | 12.0                 | 70.4                 | 10th             | 88.7  | 21.1            | 24th & 28th     | 67.6 | 79.4  | 81.8      | 85.0      | 87.4                 | 13.6                 | 73.8                 | 7th              | 93.7  | 22.9            | 25th            | 70.8 |
| August    | 74.8  | 75.4      | 79.3      | 81.5                 | 11.3                 | 70.2                 | 11th             | 85.7  | 17.0            | 16th            | 68.7 | 79.4  | 81.4      | 85.3      | 87.4                 | 14.0                 | 73.4                 | 10th & 13th      | 92.9  | 22.2            | 23rd            | 70.7 |
| September | 77.3  | 79.0      | 83.7      | 85.7                 | 14.9                 | 70.8                 | 27th             | 92.6  | 24.9            | 10th & 13th     | 67.7 | 81.2  | 84.9      | 90.2      | 92.2                 | 20.1                 | 72.1                 | 28th             | 99.8  | 33.4            | 29th            | 66.4 |
| October   | 75.0  | 77.9      | 79.7      | 82.9                 | 12.6                 | 70.3                 | 15th             | 86.7  | 19.1            | 12th            | 67.6 | 79.2  | 82.6      | 87.0      | 89.5                 | 18.1                 | 71.4                 | 9th              | 93.7  | 31.5            | 12th            | 62.2 |
| November  | 72.3  | 78.3      | 80.1      | 82.1                 | 17.6                 | 64.5                 | 14th             | 85.0  | 24.6            | 8th             | 60.4 | 73.2  | 79.8      | 86.8      | 87.9                 | 28.6                 | 59.3                 | 12th             | 91.0  | 40.4            | 22nd            | 50.6 |
| December  | 67.3  | 71.9      | 75.3      | 77.3                 | 18.0                 | 59.3                 | 16th             | 81.6  | 25.8            | 23rd            | 55.8 | 66.8  | 72.6      | 81.2      | 82.4                 | 30.0                 | 52.4                 | 31st             | 85.7  | 42.5            | 7th             | 43.2 |
| Year      | 76.5  | 79.7      | 84.4      | 86.7                 | 18.2                 | 68.6                 | ...              | 106.1 | 57.0            | ...             | 49.1 | 78.7  | 83.5      | 90.3      | 92.2                 | 25.2                 | 67.0                 | ...              | 113.5 | 73.3            | ...             | 40.2 |

## 72. AMRAOTI (corrected).

## 73. MAKHLA (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | °     |                 | Day.            | °    |       |           |           |                      |                      |                      | Day.             | °     |                 | Day.            | °    |
| January   | 68.1  | 73.3      | 80.3      | 82.2                 | 26.3                 | 55.9                 | 22nd             | 87.0  | 37.1            | 1st             | 49.9 | 62.7  | 62.6      | 70.3      | 71.7                 | 16.6                 | 55.1                 | 29th             | 76.3  | 26.4            | 26th            | 49.9 |
| February  | 74.1  | 79.2      | 87.9      | 89.0                 | 28.8                 | 60.2                 | 28th             | 98.5  | 49.9            | 5th             | 48.6 | 67.9  | 68.1      | 77.1      | 80.5                 | 21.9                 | 58.6                 | 26th             | 91.0  | 45.6            | 4th             | 45.4 |
| March     | 81.7  | 87.3      | 95.4      | 97.1                 | 29.1                 | 68.0                 | 31st             | 104.8 | 44.0            | 10th            | 60.8 | 75.0  | 77.8      | 84.3      | 88.3                 | 22.6                 | 65.7                 | 29th             | 94.6  | 36.4            | 9th             | 58.2 |
| April     | 89.1  | 96.3      | 104.0     | 106.1                | 32.0                 | 74.1                 | 26th & 27th.     | 111.4 | 48.6            | 2nd             | 62.8 | 83.2  | 88.5      | 94.1      | 97.2                 | 24.9                 | 72.3                 | 26th             | 102.5 | 42.1            | 2nd             | 60.4 |
| May       | 92.4  | 96.9      | 104.0     | 107.2                | 26.4                 | 80.8                 | 15th             | 112.5 | 39.7            | 19th            | 72.8 | 85.8  | 89.7      | 94.9      | 98.7                 | 22.1                 | 76.6                 | 14th & 23rd      | 103.2 | 30.8            | 31st            | 72.4 |
| June      | 82.2  | 86.2      | 89.6      | 94.9                 | 20.2                 | 74.7                 | 12th             | 104.9 | 34.8            | 16th            | 70.1 | 76.1  | 77.0      | 82.3      | 85.9                 | 16.0                 | 69.9                 | 13th             | 96.4  | 29.7            | 17th            | 66.7 |
| July      | 78.1  | 80.7      | 83.2      | 87.1                 | 14.1                 | 73.0                 | 6th              | 92.1  | 21.3            | 27th            | 70.8 | 70.7  | 71.4      | 73.1      | 75.8                 | 7.5                  | 68.3                 | 7th & 11th       | 82.0  | 15.7            | 27th & 28th     | 66.3 |
| August    | 78.1  | 81.3      | 83.5      | 87.4                 | 14.7                 | 72.7                 | 9th              | 94.4  | 24.3            | 28th            | 70.1 | 70.5  | 71.0      | 73.4      | 75.8                 | 8.2                  | 67.6                 | 11th             | 83.1  | 18.2            | 26th            | 64.9 |
| September | 79.6  | 85.3      | 88.0      | 92.0                 | 20.8                 | 71.2                 | 28th             | 99.0  | 31.2            | 9th             | 67.8 | 72.6  | 74.1      | 78.2      | 80.5                 | 13.6                 | 66.9                 | 27th             | 86.6  | 21.8            | 15th & 22nd     | 64.8 |
| October   | 78.2  | 82.7      | 85.2      | 89.0                 | 17.8                 | 71.2                 | 15th             | 93.5  | 28.8            | 12th            | 64.7 | 71.4  | 73.1      | 75.7      | 79.0                 | 11.9                 | 67.1                 | 13th             | 82.8  | 19.1            | 12th            | 63.7 |
| November  | 73.3  | 80.2      | 84.3      | 86.6                 | 24.3                 | 62.3                 | 12th             | 90.5  | 35.1            | 16th            | 55.4 | 68.0  | 70.2      | 75.4      | 77.3                 | 16.7                 | 60.6                 | 13th             | 80.0  | 24.2            | 23rd            | 55.8 |
| December  | 68.6  | 74.9      | 79.7      | 82.3                 | 24.9                 | 57.4                 | 14th             | 86.0  | 33.5            | 23rd            | 52.5 | 62.7  | 65.5      | 69.6      | 71.9                 | 16.1                 | 55.8                 | 8th & 24th       | 74.4  | 22.4            | 9th & 19th      | 52.0 |
| Year      | 78.6  | 83.7      | 88.8      | 91.7                 | 23.3                 | 68.5                 | ...              | 112.5 | 63.9            | ...             | 48.6 | 72.2  | 74.1      | 79.0      | 81.9                 | 16.5                 | 65.4                 | ...              | 103.2 | 57.8            | ...             | 45.4 |

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

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## 74. NEEMUCH (corrected).

## 75. NOWGONG (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |
| January   | 62.5  | 66.0      | 75.8      | 77.7                 | 28.6                 | 49.1                 | 17th             | 85.1  | 47.0            | 28th            | 38.1 | 61.0  | 63.7      | 73.3      | 74.5                 | 25.8                 | 48.7                 | 19th             | 82.9  | 43.8            | 29th            | 39.1 |
| February  | 64.4  | 70.4*     | 79.7*     | 81.5*                | 32.5                 | 49.0*                | 26th             | 95.7  | 64.5            | 4th             | 31.2 | 62.7  | 67.4      | 77.7      | 79.1                 | 31.5                 | 47.6                 | 27th             | 93.5  | 56.1            | 4th             | 37.4 |
| March     | 75.4  | 81.8      | 89.2      | 91.1                 | 29.6                 | 61.5                 | 29th             | 100.0 | 48.2            | 10th            | 51.8 | 75.5  | 81.2      | 88.9      | 91.0                 | 29.0                 | 62.0                 | 30th             | 103.0 | 49.2            | 10th            | 53.8 |
| April     | 84.7  | 93.4      | 99.4      | 101.2                | 31.3                 | 69.9                 | 26th             | 108.4 | 53.0            | 2nd             | 55.4 | 84.6  | 90.5      | 100.9     | 102.6§               | 34.3                 | 68.3                 | 25th &<br>28th.  | 110.7 | 55.0            | 4th             | 55.7 |
| May       | 91.2  | 96.5      | 103.4     | 106.3                | 27.3                 | 79.0                 | 25th             | 113.8 | 41.4            | 8th             | 72.4 | 89.8  | 97.2      | 102.5     | 106.2                | 29.2                 | 77.0                 | 26th             | 114.0 | 44.1            | 19th            | 69.9 |
| June      | 85.7  | 88.9      | 95.0      | 98.3                 | 21.9                 | 76.4                 | 10th             | 109.7 | 41.1            | 7th             | 68.6 | 88.2  | 91.9      | 95.9      | 100.2                | 19.7                 | 80.5                 | 14th             | 111.2 | 35.7            | 25th            | 75.5 |
| July      | 78.6  | 81.1      | 83.7      | 86.6                 | 13.2                 | 73.4                 | 12th             | 92.2  | 21.3            | 5th             | 70.9 | 81.3  | 82.8      | 84.8      | 89.3                 | 11.5                 | 77.8                 | 1st              | 96.2  | 21.8            | 31st            | 74.4 |
| August    | 76.8  | 79.4      | 81.3      | 83.8                 | 11.6                 | 72.2                 | 13th             | 88.1  | 18.5            | 26th            | 69.6 | 81.4  | 83.1      | 85.8      | 89.1                 | 12.1                 | 77.0                 | 15th             | 95.5  | 21.9            | 28th            | 73.6 |
| September | 78.1  | 82.8      | 87.2      | 89.2                 | 20.2                 | 69.0                 | 27th             | 98.1  | 33.4            | 22nd            | 64.7 | 81.9  | 84.6      | 90.0      | 92.0                 | 18.2                 | 73.8                 | 26th &<br>27th.  | 97.2  | 28.4            | 23rd            | 68.8 |
| October   | 77.2  | 83.7†     | 87.1†     | 90.4†                | 23.1                 | 67.3†                | 2nd              | 95.2  | 35.4            | 31st            | 59.8 | 77.3  | 80.7      | 83.3      | 86.5                 | 15.3                 | 71.2                 | 2nd              | 91.6  | 27.1            | 11th &<br>31st. | 64.5 |
| November  | 70.8  | 78.9      | 84.1      | 85.8                 | 28.4                 | 57.4                 | 12th             | 89.7  | 37.9            | 30th            | 51.8 | 67.9  | 73.7      | 80.5      | 82.6                 | 27.3                 | 55.3                 | 12th             | 87.1  | 37.8            | 22nd &<br>30th. | 49.3 |
| December  | 63.3  | 69.5‡     | 75.9‡     | 77.6‡                | 27.0                 | 50.6‡                | 20th             | 83.6  | 39.4            | 30th            | 44.2 | 61.6  | 63.7      | 73.4      | 74.9                 | 25.2                 | 49.7§                | 6th &<br>28th.   | 80.1  | 39.1            | 31st            | 41.0 |
| Year      | 75.7  | 81.0      | 86.8      | 89.1                 | 24.6                 | 64.6                 | ...              | 113.8 | 82.6            | ...             | 31.2 | 76.1  | 80.0      | 86.4      | 89.0                 | 23.3                 | 65.7                 | ...              | 114.0 | 76.6            | ...             | 37.4 |

\* Mean of 24 days.  
† " " 26 "

‡ Mean of 27 days.

§ Mean of 29 days.

## 76. SUTNA (corrected).

## 77. INDORE (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM.       |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.                  | o    |
| January   | 60.3  | 65.1      | 72.4      | 73.5                 | 25.4                 | 48.1                 | 19th             | 80.5  | 40.3            | 29th            | 40.2 | 63.2  | 71.0      | 76.4      | 78.7                 | 28.7                 | 50.0                 | 16th &<br>17th.  | 82.5  | 40.8            | 29th                  | 41.7 |
| February  | 63.3  | 68.3      | 77.6      | 78.1                 | 29.2                 | 48.9                 | 27th &<br>28th.  | 92.1  | 55.5            | 4th             | 36.6 | 65.4  | 74.1      | 81.3      | 83.2                 | 33.8                 | 49.4                 | 26th             | 96.5  | 60.3            | 3rd                   | 36.2 |
| March     | 74.1  | 81.8      | 87.1      | 90.2                 | 29.2                 | 61.0                 | 30th &<br>31st.  | 100.1 | 46.3            | 13th            | 53.8 | 75.3  | 84.2      | 89.3      | 91.7                 | 30.5                 | 61.2                 | 30th             | 98.8  | 47.3            | 10th                  | 51.5 |
| April     | 83.8  | 94.3      | 99.2      | 101.0                | 32.7                 | 68.3                 | 24th             | 109.2 | 51.5            | 4th             | 57.7 | 82.4  | 93.9      | 97.8      | 100.9                | 34.0                 | 66.9                 | 28th             | 108.2 | 55.2            | 3rd & 5th             | 53.0 |
| May       | 89.9  | 97.6      | 102.2     | 105.6                | 28.0                 | 77.6                 | 4th              | 111.2 | 41.6            | 19th            | 69.6 | 88.3  | 95.7      | 99.4      | 103.5                | 26.4                 | 77.1                 | 25th             | 109.4 | 40.5            | 29th                  | 68.9 |
| June      | 88.1  | 93.2      | 95.8      | 99.3                 | 19.0                 | 80.3                 | 10th             | 115.0 | 41.7            | 18th            | 73.3 | 79.8  | 84.8      | 87.0      | 91.9                 | 19.3                 | 72.6                 | 8th              | 98.9  | 31.0            | 9th & 11th            | 67.9 |
| July      | 80.4  | 82.8      | 84.6      | 86.6                 | 10.5                 | 76.1                 | 1st              | 93.6  | 22.3            | 9th             | 71.3 | 75.9  | 78.0      | 80.0      | 82.9                 | 11.2                 | 71.7                 | 1st &<br>10th.   | 88.6  | 18.8            | 28th                  | 69.8 |
| August    | 82.2  | 83.0      | 84.9      | 86.6                 | 11.1                 | 75.5                 | 11th             | 91.6  | 20.0            | 28th            | 71.6 | 74.9  | 78.2      | 78.5      | 82.6                 | 11.4                 | 71.2                 | 13th             | 91.2  | 22.2            | 26th                  | 69.0 |
| September | 79.8  | 84.5      | 86.7      | 89.2                 | 16.3                 | 72.9                 | 27th             | 95.5  | 26.4            | 26th            | 69.1 | 77.0  | 82.1      | 85.2      | 87.9                 | 19.2                 | 68.7                 | 28th             | 94.2  | 28.6            | 27th                  | 65.6 |
| October   | 77.5  | 81.0      | 83.4      | 85.9                 | 14.3                 | 71.6                 | 23rd             | 89.4  | 23.1            | 31st            | 66.3 | 75.2  | 81.4      | 82.4      | 86.7                 | 18.7                 | 68.0                 | 10th             | 90.6  | 30.5            | 12th, 13th<br>& 31st. | 60.1 |
| November  | 68.5  | 75.9      | 80.0      | 80.6                 | 23.7                 | 56.9                 | 12th             | 84.6  | 33.6            | 30th            | 51.0 | 68.9  | 79.7      | 81.4      | 84.2                 | 27.8                 | 56.4                 | 13th             | 88.1  | 38.1            | 23rd                  | 50.0 |
| December  | 61.9  | 67.3      | 73.9      | 74.0                 | 24.1                 | 49.9                 | 25th             | 78.3  | 33.9            | 3rd             | 44.4 | 63.2  | 72.4      | 75.4      | 78.0                 | 27.1                 | 50.9                 | 22nd             | 82.6  | 38.5            | 19th                  | 44.1 |
| Year      | 75.7  | 81.2      | 85.7      | 87.6                 | 22.0                 | 65.6                 | ...              | 115.0 | 78.4            | ...             | 36.6 | 74.1  | 81.3      | 84.5      | 87.7                 | 24.0                 | 63.7                 | ...              | 109.4 | 73.2            | ...                   | 36.2 |

## 78. BICKANEER (corrected).

## 79. JEYPORE (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXI-<br>MUM. |       | Absolute range | LOWEST MINIMUM. |      | Mean. | 4 hours. | 10 hours. | 16 hours. | 21 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXI-<br>MUM. |       | Absolute range | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|-----------------------|-------|----------------|-----------------|------|-------|----------|-----------|-----------|-----------|----------------------|----------------------|----------------------|-----------------------|-------|----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.                  | o     |                | Day.            | o    |       |          |           |           |           |                      |                      |                      | Day.                  | o     |                | Day.            | o    |
| January   | 61.9  | 61.4      | 67.6      | 67.9                 | 11.8                 | 56.1                 | 30th                  | 72.4  | 28.3           | 5th             | 44.1 | 61.1  | 52.9     | 64.2      | 70.9      | 56.5      | 73.2                 | 23.2                 | 50.0                 | 13th                  | 79.0  | 41.8           | 28th            | 37.2 |
| February  | 62.9  | 61.9      | 69.6      | 72.0                 | 15.8                 | 56.2                 | 28th                  | 85.6  | 38.4           | 17th            | 47.2 | 63.2  | 52.0     | 67.6      | 75.6      | 57.5      | 77.5                 | 29.0                 | 48.5                 | 26th                  | 93.1  | 55.9           | 3rd             | 37.2 |
| March     | 76.1  | 79.3      | 84.5      | 86.2                 | 18.5                 | 67.7                 | 28th                  | 95.8  | 35.6           | 7th             | 60.2 | 75.0  | 64.3     | 79.5      | 86.1      | 70.0      | 88.7                 | 27.3                 | 61.4                 | 17th                  | 99.1  | 48.9           | 10th            | 50.2 |
| April     | 88.6  | 94.7      | 99.0      | 101.0                | 22.9                 | 78.1                 | 27th                  | 109.8 | 47.9           | 1st             | 61.9 | 85.9  | 72.6     | 92.5      | 99.0      | 79.4      | 101.1                | 32.1                 | 69.0                 | 27th                  | 110.7 | 59.6           | 1st             | 51.1 |
| May       | 94.7  | 102.1     | 105.0     | 108.1                | 23.8                 | 84.3                 | 25th                  | 117.2 | 48.1           | 31st            | 69.1 | 91.8  | 80.2     | 95.8      | 103.6     | 87.4      | 106.5                | 28.5                 | 78.0                 | 25th                  | 115.8 | 45.5           | 18th            | 70.3 |
| June      | 93.3  | 97.8      | 102.3     | 104.9                | 20.7                 | 84.2                 | 11th                  | 112.1 | 38.4           | 1st             | 73.7 | 89.0  | 81.0     | 91.8      | 97.3      | 85.9      | 101.9                | 22.4                 | 79.5                 | 11th                  | 109.6 | 41.6           | 7th             | 68.0 |
| July      | 89.4  | 94.1      | 96.3      | 99.6*                | 17.2                 | 82.4                 | 2nd                   | 111.6 | 34.9           | 31st            | 76.7 | 82.6  | 78.6     | 84.2      | 86.5      | 81.0      | 91.6                 | 14.4                 | 77.2                 | 1st                   | 105.8 | 31.9           | 4th             | 73.9 |
| August    | 88.0  | 93.1      | 95.7      | 98.2                 | 18.0                 | 80.2                 | 15th                  | 105.3 | 29.2           | 2nd             | 76.1 | 81.6  | 76.5     | 83.5      | 87.2      | 79.3      | 90.9                 | 15.8                 | 75.1                 | 15th                  | 100.2 | 27.7           | 10th            | 72.5 |
| September | 88.5  | 93.5      | 98.3      | 101.1                | 22.5                 | 78.6                 | 26th                  | 104.8 | 30.3           | 17th            | 74.5 | 82.1  | 73.2     | 85.9      | 92.3      | 76.9      | 95.0                 | 23.7                 | 71.3                 | 26th                  | 100.1 | 32.1           | 17th &<br>20th. | 68.0 |
| October   | 85.0  | 92.4      | 95.3      | 97.4                 | 22.8                 | 74.6                 | 3rd                   | 102.7 | 33.0           | 29th &<br>30th. | 69.7 | 80.7  | 71.2     | 85.9      | 89.7      | 75.9      | 93.4                 | 24.6                 | 68.8                 | 3rd                   | 97.5  | 40.4           | 31st            | 57.1 |
| November  | 74.0  | 79.6      | 83.2      | 85.9                 | 21.1                 | 64.8                 | 12th                  | 92.2  | 36.6           | 28th            | 55.6 | 71.6  | 59.2     | 78.5      | 84.2      | 64.4      | 86.7                 | 30.3                 | 56.4                 | 11th                  | 91.3  | 44.0           | 30th            | 47.3 |
| December  | 64.4  | 69.4      | 72.7      | 75.2                 | 19.2                 | 56.0                 | 4th                   | 85.0  | 40.0           | 29th &<br>30th. | 45.0 | 63.4  | 52.2     | 69.3      | 75.3      | 56.8      | 78.1                 | 29.0                 | 49.1                 | 20th                  | 83.5  | 49.0           | 30th            | 34.5 |
| Year      | 80.6  | 84.9      | 89.1      | 91.5                 | 19.5                 | 71.9                 | ...                   | 117.2 | 73.1           | ...             | 44.1 | 77.3  | 67.8     | 81.6      | 87.3      | 72.6      | 90.4                 | 25.0                 | 65.4                 | ...                   | 115.8 | 81.3           | ...             | 34.5 |

\* Mean of 30 days.

## 80. SAMBHAR (corrected).

## 81. AJMERE (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM.  |       | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|-------------------|-------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.              | o     |                 | Day.            | o    |
| January   | 58.5  | 62.4      | 69.6      | 70.9                 | 23.3                 | 47.6                 | 10th             | 74.9  | 37.3            | 29th            | 37.6 | 58.0  | 62.6      | 70.6      | 72.1                 | 26.5                 | 45.6*                | 9th & 14th        | 77.1  | 43.9            | 28th & 29th     | 33.2 |
| February  | 60.3  | 64.9      | 73.8      | 74.9                 | 29.1                 | 45.8                 | 26th             | 90.0  | 55.6            | 4th             | 34.4 | 61.0  | 65.4      | 74.6      | 76.0                 | 29.3                 | 46.7                 | 26th              | 91.1  | 57.9            | 4th             | 33.2 |
| March     | 72.7  | 77.6      | 84.6      | 86.5                 | 27.2                 | 59.3                 | 17th             | 99.2  | 50.8            | 2nd             | 48.4 | 73.2  | 77.6      | 85.1      | 87.0                 | 26.8                 | 60.2                 | 17th              | 98.0  | 48.6            | 10th            | 49.4 |
| April     | 83.9  | 89.3      | 97.0      | 98.5                 | 31.3                 | 67.2                 | 27th             | 108.0 | 58.0            | 3rd             | 50.0 | 85.1  | 90.6      | 96.8      | 99.1                 | 29.5                 | 69.6                 | 27th              | 109.0 | 59.6            | 3rd             | 49.4 |
| May       | 90.8  | 95.4      | 102.5     | 104.6                | 27.6                 | 77.0                 | 26th             | 114.5 | 45.6            | 9th             | 68.9 | 91.7  | 95.8      | 102.5     | 104.4                | 25.1                 | 79.3                 | 25th              | 114.0 | 44.2            | 9th             | 69.8 |
| June      | 87.8  | 90.4      | 96.2      | 99.2                 | 19.3                 | 79.9                 | 11th             | 106.0 | 35.6            | 7th             | 70.4 | 87.1  | 89.0      | 95.5      | 98.1                 | 18.5                 | 79.6                 | 11th              | 104.0 | 33.2            | 7th             | 70.8 |
| July      | 82.5  | 84.2      | 87.6      | 90.9                 | 13.0                 | 77.9                 | 2nd              | 104.0 | 30.6            | 27th            | 73.4 | 82.4  | 83.9      | 88.3      | 89.4                 | 12.6                 | 76.8                 | 1st               | 99.3  | 26.0            | 25th & 27th.    | 73.3 |
| August    | 81.0  | 82.8      | 86.8      | 89.0                 | 13.4                 | 75.6                 | 15th             | 98.8  | 26.7            | 21st            | 72.1 | 80.3  | 81.8      | 86.5      | 88.4                 | 13.8                 | 74.6                 | 14th              | 99.8  | 28.0            | 8th             | 71.8 |
| September | 81.5  | 84.2      | 91.3      | 92.5                 | 19.0                 | 73.5                 | 26th             | 96.7  | 28.2            | 30th            | 68.5 | 81.7  | 83.7      | 91.4      | 92.4                 | 18.1                 | 74.3                 | 28th              | 97.8  | 32.1            | 30th            | 65.7 |
| October   | 78.2  | 84.3      | 90.9      | 92.3                 | 25.3                 | 67.0                 | 3rd              | 96.1  | 39.2            | 31st            | 56.9 | 79.3  | 85.7      | 90.6      | 92.6                 | 23.8                 | 68.8                 | 7th               | 96.8  | 41.6            | 31st            | 55.2 |
| November  | 67.0  | 73.6      | 83.1      | 84.3                 | 30.7                 | 53.6                 | 11th             | 90.3  | 46.4            | 29th            | 43.9 | 68.4  | 76.8      | 83.8      | 85.0                 | 31.2                 | 53.8                 | 4th, 10th & 12th. | 89.7  | 45.9            | 30th            | 43.8 |
| December  | 58.2  | 62.9      | 73.8      | 75.1                 | 29.3                 | 45.8                 | 19th             | 79.9  | 44.9            | 29th & 31st.    | 35.0 | 60.3  | 67.6      | 74.6      | 75.5*                | 29.1                 | 46.4                 | 20th              | 82.2  | 45.3            | 30th            | 36.9 |
| Year      | 75.2  | 79.3      | 86.4      | 88.2                 | 24.0                 | 64.2                 | ...              | 114.5 | 80.1            | ...             | 34.4 | 75.7  | 80.0      | 86.7      | 88.3                 | 23.7                 | 64.6                 | ...               | 114.0 | 80.8            | ...             | 33.2 |

\* Mean of 30 days.



TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

81

82. MOUNT ABU (*corrected*).83. PACHPADRA (*corrected*).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       |                 | LOWEST MINIMUM. |      |                 | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      |                 | LOWEST MINIMUM. |   |                 |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-----------------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|---|-----------------|
|           |       |           |           |                      |                      |                      | Day.             | o     | Absolute range. | Day.            | o    | Absolute range. |       |           |           |                      |                      |                      | Day.             | o    | Absolute range. | Day.            | o | Absolute range. |
| January   | 56.4  | 60.4      | 62.2      | 65.7                 | 15.1                 | 50.6*                | 9th & 16th       | 71.1  | 28.5            | 27 & 28th       | 42.6 | 60.9            | 65.3  | 76.4      | 78.4      | 33.0                 | 45.4                 | 18th                 | 87.1             | 50.1 | 27th            | 37.0            |   |                 |
| February  | 59.7  | 64.0      | 66.7      | 69.9                 | 17.3                 | 52.6†                | 25th             | 80.1  | 38.8            | 2nd             | 41.3 | 62.6            | 68.4  | 79.9      | 81.9      | 36.7                 | 45.2                 | 26th                 | 96.0             | 66.0 | 2nd             | 30.0            |   |                 |
| March     | 67.1  | 70.7      | 73.7      | 76.9                 | 16.4                 | 60.5*                | 29th             | 85.8  | 39.0            | 9th             | 46.8 | 75.1            | 82.3  | 90.1      | 93.1      | 33.0                 | 60.1                 | 29th                 | 102.9            | 49.1 | 8th             | 53.8            |   |                 |
| April     | 77.1  | 80.1      | 84.8      | 86.8                 | 17.4                 | 69.4†                | 26th             | 94.6  | 38.8            | 2nd             | 55.8 | 86.4            | 94.1  | 103.2     | 106.1     | 36.5                 | 59.6                 | 26th                 | 114.0            | 64.0 | 3rd             | 50.0            |   |                 |
| May       | 81.0  | 84.6      | 88.6      | 90.9                 | 17.5                 | 73.4*                | 25th             | 100.7 | 33.7            | 7th             | 67.0 | 95.3            | 97.6  | 109.1     | 111.6     | 30.2                 | 81.4                 | 25th                 | 123.1            | 52.0 | 8th             | 71.1            |   |                 |
| June      | 74.7  | 76.2      | 80.6      | 82.8                 | 14.0                 | 68.8                 | 10th             | 88.6  | 23.8            | 3rd             | 64.8 | 91.9            | 93.0  | 103.4     | 105.4     | 25.1                 | 80.3                 | 4th                  | 112.0            | 39.6 | 25th            | 72.4            |   |                 |
| July      | 68.6  | 69.9      | 71.1      | 73.5                 | 7.4                  | 66.1                 | 1st & 2nd        | 81.4  | 18.3            | 25th            | 63.1 | 86.4            | 87.2  | 94.1      | 96.0      | 17.3                 | 78.7                 | 1st                  | 107.0            | 33.6 | 5th             | 73.4            |   |                 |
| August    | 66.3  | 67.2      | 68.6      | 70.4                 | 6.4                  | 64.0†                | 13th             | 78.1  | 16.7            | 27th            | 61.4 | 83.8            | 85.4  | 91.6      | 94.0      | 18.0                 | 76.0                 | 14th                 | 106.2            | 33.4 | 18th            | 72.8            |   |                 |
| September | 68.3  | 71.0      | 73.0      | 75.1                 | 11.5                 | 63.6                 | 29th             | 82.7  | 22.6            | 17th            | 60.1 | 83.3            | 87.3  | 95.6      | 97.7      | 26.8                 | 70.9                 | 30th                 | 107.3            | 42.3 | 29th            | 65.0            |   |                 |
| October   | 72.4  | 77.1      | 78.4      | 81.3                 | 14.9                 | 66.4                 | 10th             | 83.7  | 22.3            | 7th             | 61.4 | 84.1            | 92.2  | 98.5      | 101.3     | 31.6                 | 69.7                 | 6th                  | 107.6            | 54.2 | 31st            | 53.4            |   |                 |
| November  | 65.5  | 72.2      | 73.2      | 76.2                 | 16.4                 | 59.8                 | 11th             | 81.4  | 28.3            | 27th            | 53.1 | 72.0            | 79.6  | 89.9      | 92.4      | 38.3                 | 54.1                 | 12th                 | 99.3             | 58.0 | 29th & 30th     | 41.3            |   |                 |
| December  | 59.8  | 65.2      | 66.4      | 70.2                 | 17.0                 | 53.2                 | 19th             | 75.3  | 29.3            | 29th            | 46.0 | 62.3            | 68.0  | 80.0      | 82.0      | 37.4                 | 44.6                 | 4th                  | 88.8             | 56.5 | 29th            | 32.3            |   |                 |
| Year      | 68.2  | 71.6      | 73.9      | 76.6                 | 14.3                 | 62.4                 | ...              | 100.7 | 59.4            | ...             | 41.3 | 78.7            | 83.4  | 92.7      | 95.0      | 30.3                 | 64.7                 | ...                  | 123.1            | 93.1 | ...             | 30.0            |   |                 |

\* Mean of 30 days. † Mean of 29 days.  
† " " 27 "

84. JACOBABAD (*corrected*).85. HYDERABAD (*corrected*).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       |                 | LOWEST MINIMUM. |      |                 | Mean. | 10 hours. | 16 hours.      | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      |                 | LOWEST MINIMUM. |   |                 |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-----------------|-------|-----------|----------------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|---|-----------------|
|           |       |           |           |                      |                      |                      | Day.             | o     | Absolute range. | Day.            | o    | Absolute range. |       |           |                |                      |                      |                      | Day.             | o    | Absolute range. | Day.            | o | Absolute range. |
| January   | 57.4  | 59.9      | 69.5      | 71.7                 | 26.5                 | 45.2                 | 12th             | 81.4  | 46.4            | 28th            | 35.0 | 61.6            | 65.1  | 70.9      | Imper-<br>fect | ?                    | 52.3*                | ...                  | ?                | ?    | 28th            | 46.5            |   |                 |
| February  | 58.8  | 64.9      | 73.0      | 74.8                 | 30.3                 | 44.5                 | 27th             | 88.2  | 55.8            | 2nd             | 32.4 | 64.9            | 67.3  | 77.4      | 79.2           | 26.9                 | 52.3                 | 26th                 | 93.1             | 50.2 | 2nd             | 42.9            |   |                 |
| March     | 71.9  | 76.5      | 85.5      | 87.5                 | 29.2                 | 58.3                 | 14th             | 98.3  | 49.1            | 19th &<br>20th. | 49.2 | 76.1            | 79.9  | 87.8      | 90.3           | 26.0                 | 64.3                 | 28th                 | 99.3             | 46.0 | 19th            | 53.3            |   |                 |
| April     | 85.1  | 93.6      | 102.5     | 104.1                | 36.5                 | 67.6                 | 27th             | 114.4 | 63.1            | 1st             | 51.3 | 86.4            | 95.2  | 101.3     | 104.0          | 32.5                 | 71.5                 | 26th                 | 118.1            | 61.4 | 2nd             | 56.7            |   |                 |
| May       | 95.3  | 101.3     | 110.7     | 113.0                | 33.1                 | 79.9                 | 25th             | 122.2 | 52.3            | 9th             | 69.9 | 93.6            | 101.0 | 106.2     | 110.2          | 29.2                 | 81.0                 | 25th &<br>26th.      | 121.0            | 46.3 | 5th             | 74.7            |   |                 |
| June      | 97.9  | 99.9      | 110.9     | 112.5                | 27.7                 | 84.8                 | 13th             | 117.3 | 42.8            | 5th             | 74.5 | 91.7            | 96.2  | 101.7     | 104.2          | 22.5                 | 81.7                 | 18th                 | 110.8            | 36.2 | 12th            | 74.6            |   |                 |
| July      | 93.8  | 96.5      | 103.1     | 106.6                | 22.1                 | 84.5                 | 2nd              | 117.3 | 38.9            | 16th            | 78.4 | 87.7            | 92.0  | 94.8      | 98.7           | 18.2                 | 80.5                 | 2nd                  | 107.6            | 32.2 | 17th            | 75.4            |   |                 |
| August    | 92.2  | 92.6      | 103.1     | 105.1                | 23.8                 | 81.3                 | 1st              | 108.6 | 30.3            | 26th            | 78.3 | 84.9            | 87.1  | 91.5      | 94.9           | 16.7                 | 78.2†                | 21st                 | 103.2            | 26.8 | 31st            | 76.4            |   |                 |
| September | 88.7  | 90.1      | 101.7     | 104.4                | 28.7                 | 75.7                 | 12th             | 108.5 | 38.7            | 21st &<br>22nd. | 69.8 | 83.9            | 87.9  | 92.1      | 96.2           | 20.5                 | 75.7                 | 30th                 | 102.8            | 31.4 | 20th &<br>21st. | 71.4            |   |                 |
| October   | 78.7  | 88.0      | 93.9      | 99.9                 | 36.4                 | 63.5                 | 6th              | 108.3 | 55.7            | 25th            | 52.6 | 84.7            | 89.4  | 96.6      | 99.3           | 26.5                 | 72.8                 | 4th                  | 107.8            | 44.1 | 30th            | 63.7            |   |                 |
| November  | 67.6  | 75.6      | 82.4      | 87.5                 | 34.8                 | 52.7                 | 10th             | 95.9  | 52.4            | 28th            | 43.5 | 73.5            | 79.2  | 84.6      | 87.4           | 25.1                 | 62.3                 | 11th &<br>13th.      | 96.8             | 44.8 | 29th            | 52.0            |   |                 |
| December  | 59.6  | 63.8      | 75.4      | 77.9                 | 34.1                 | 43.8                 | 2nd              | 86.4  | 53.8            | 29th            | 32.6 | 64.2            | 68.4  | 76.0      | 78.3           | 25.9                 | 52.4                 | 2nd                  | 86.4             | 47.6 | 27th            | 38.8            |   |                 |
| Year      | 78.9  | 83.6      | 92.6      | 95.4                 | 30.3                 | 65.2                 | ...              | 117.3 | 84.9            | ...             | 32.4 | 79.4            | 84.1  | 90.1      | ?              | ?                    | 68.8                 | ...                  | 121.0            | 82.2 | ...             | 38.8            |   |                 |

\* Mean of 29 days.  
† " " 30 "

86. KURRACHEE (*corrected*).87. BHUJ (*corrected*).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean<br>daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM.            |       |                 | LOWEST MINIMUM.     |      |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean<br>daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXI-<br>MUM. |      |                      | Absolute range. | LOWEST MINI-<br>MUM. |  |
|-----------|-------|-----------|-----------|----------------------|-------------------------|----------------------|-----------------------------|-------|-----------------|---------------------|------|------|-------|-----------|-----------|----------------------|-------------------------|----------------------|-----------------------|------|----------------------|-----------------|----------------------|--|
|           |       |           |           |                      |                         |                      | Day.                        | o     | Absolute range. | Day.                | o    | Day. |       |           |           |                      |                         |                      | o                     | Day. | o                    |                 | Absolute range.      |  |
| January   | 64.9  | 68.0      | 73.7      | 76.1                 | 20.4                    | 55.7                 | 1st                         | 82.6  | 34.3            | 28th                | 48.3 | 64.8 | 69.0* | 76.0*     | 78.0*     | 24.4                 | 53.6†                   | 7th & 11th           | 82.4                  | 35.2 | 28th                 | 47.2            |                      |  |
| February  | 67.4  | 70.1      | 77.0      | 79.5                 | 24.2                    | 55.3                 | 25th                        | 89.5  | 44.4            | 3rd                 | 45.1 | 68.8 | 73.2  | 82.0      | 83.7      | 28.2                 | 55.5                    | 25th                 | 96.3                  | 52.4 | 2nd                  | 43.9            |                      |  |
| March     | 74.9  | 77.4      | 80.8      | 84.8                 | 19.3                    | 65.5                 | 13th                        | 95.9  | 37.9            | 19th                | 58.0 | 77.5 | 82.2  | 89.5      | 92.4      | 27.0                 | 65.4                    | 14th                 | 99.6                  | 44.2 | 19th                 | 55.4            |                      |  |
| April     | 79.8  | 83.9      | 85.1      | 89.9                 | 18.3                    | 71.6                 | 25th                        | 98.7  | 36.8            | 3rd                 | 61.9 | 84.2 | 92.1  | 98.5      | 102.0     | 32.2                 | 69.8                    | 25th                 | 109.0                 | 46.9 | 1st                  | 62.1            |                      |  |
| May       | 87.3  | 90.9      | 91.9      | 96.7                 | 16.6                    | 80.1                 | 15th                        | 115.0 | 38.2            | 5th, 7th &<br>16th. | 76.8 | 89.3 | 94.8  | 100.0     | 104.0     | 25.5                 | 78.5                    | 26th                 | 117.7                 | 44.6 | 1st                  | 73.1            |                      |  |
| June      | 88.0  | 90.7      | 91.4      | 95.1                 | 11.8                    | 83.3                 | 1st & 19th                  | 97.8  | 16.1            | 3rd & 30th          | 81.7 | 86.9 | 91.2  | 93.5      | 98.5      | 18.3                 | 80.2                    | 4th                  | 102.7                 | 28.3 | 19th                 | 74.4            |                      |  |
| July      | 84.5  | 86.5      | 86.9      | 90.1                 | 9.2                     | 80.9                 | 12th                        | 96.8  | 19.3            | 25th                | 77.5 | 81.2 | 83.3  | 85.0      | 88.2      | 10.8                 | 77.4                    | 2nd                  | 98.1                  | 24.7 | 23rd                 | 73.4            |                      |  |
| August    | 81.5  | 83.0      | 84.3      | 86.9                 | 8.6                     | 78.3                 | 11th, 13th,<br>14th & 17th. | 89.2  | 12.4            | 19th                | 76.8 | 80.4 | 83.7  | 84.7      | 88.0      | 12.0                 | 76.0                    | 14th                 | 94.4                  | 20.6 | 6th, 12th<br>& 13th. | 73.8            |                      |  |
| September | 80.7  | 83.0      | 83.6      | 86.8                 | 10.4                    | 76.4                 | 30th                        | 89.6  | 15.8            | 20th                | 73.8 | 81.3 | 85.5  | 89.0      | 92.7      | 19.2                 | 73.5                    | 30th                 | 98.7                  | 28.3 | 29th                 | 70.4            |                      |  |
| October   | 82.3  | 88.4      | 90.0      | 95.4                 | 23.1                    | 72.3                 | 2nd                         | 105.7 | 43.8            | 27th                | 61.9 | 84.7 | 90.1  | 95.4      | 98.2      | 24.3                 | 73.9                    | 1st & 4th            | 101.9                 | 36.6 | 31st                 | 65.3            |                      |  |
| November  | 74.2  | 80.1      | 84.4      | 88.2                 | 24.0                    | 64.2                 | 11th & 12th                 | 96.8  | 40.3            | 28th                | 56.5 | 76.9 | 83.6  | 88.5      | 91.0      | 25.7                 | 65.3                    | 13th                 | 95.7                  | 42.6 | 28th                 | 53.1            |                      |  |
| December  | 67.1  | 70.8      | 77.5      | 80.2                 | 25.4                    | 54.8                 | 6th                         | 86.8  | 45.8            | 28th                | 41.0 | 67.4 | 73.1  | 79.9      | 81.7      | 26.9                 | 54.8                    | 4th                  | 87.8                  | 45.5 | 29th                 | 42.3            |                      |  |
| Year      | 77.7  | 81.1      | 83.9      | 87.5                 | 17.6                    | 69.9                 | ...                         | 115.0 | 74.0            | ...                 | 41.0 | 78.6 | 83.5  | 88.5      | 91.5      | 22.9                 | 68.7                    | ...                  | 117.7                 | 75.4 | ...                  | 42.3            |                      |  |

\* Mean of 25 days.

† " " 23 "

88. RAJKOT (*corrected*).89. DEESA (*corrected*).

| MONTH.     | Mean.         | 10 hours. | 16 hours.       | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       |                 | LOWEST MINIMUM. |      |                 | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXI-<br>MUM. |      |                 | LOWEST MINI-<br>MUM. |   |                 |
|------------|---------------|-----------|-----------------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-----------------|-------|-----------|-----------|----------------------|----------------------|----------------------|-----------------------|------|-----------------|----------------------|---|-----------------|
|            |               |           |                 |                      |                      |                      | Day.             | o     | Absolute range. | Day.            | o    | Absolute range. |       |           |           |                      |                      |                      | Day.                  | o    | Absolute range. | Day.                 | o | Absolute range. |
| January .  | 65.4          | 73.4      | 80.6            | 84.8                 | 34.7                 | 50.1                 | 16th             | 90.1  | 49.4            | 27th            | 40.7 | 66.7            | 71.8  | 79.5      | 81.7      | 30.2                 | 51.5                 | 16th                 | 86.4                  | 42.1 | 29th            | 44.3                 |   |                 |
| February . | ?             | 75.6*     | Imperfect.      |                      | 52.3                 | ...                  | ?                | ?     | ?               | 2nd             | 41.3 | 70.7            | 75.6  | 84.6      | 86.5      | 33.5                 | 53.0                 | 25th                 | 99.3                  | 59.0 | 2nd             | 40.3                 |   |                 |
| March .    | ?             | 83.7†     | Imper-<br>fect. | 96.8‡/34.1           | 62.7†                | 16th                 | 104.3            | 51.3  | 22nd            | 53.0            | 80.7 | 84.9            | 92.7  | 94.9      | 31.0      | 63.9                 | 15th &<br>29th.      | 102.4                | 45.5                  | 10th | 56.9            |                      |   |                 |
| April .    | Not recorded. |           |                 |                      |                      |                      |                  |       |                 |                 |      | 88.8            | 92.4  | 103.1     | 104.4     | 35.7                 | 68.7                 | 25th                 | 111.5                 | 55.6 | 3rd             | 55.9                 |   |                 |
| May .      | 90.3          | 94.7§     | 102.8           | 109.1                | 31.3                 | 77.8§                | 26th             | 117.7 | 45.3            | 2nd             | 72.4 | 95.1            | 95.6  | 106.2     | 108.7     | 28.0                 | 80.7                 | 26th                 | 118.6                 | 43.9 | 2nd             | 74.7                 |   |                 |
| June .     | 85.9          | 91.1      | 93.3            | 101.0                | 22.6                 | 78.4                 | 12th             | 107.2 | 32.2            | 19th            | 75.0 | 90.5            | 90.7  | 100.4     | 102.0     | 21.1                 | 80.9                 | 10th                 | 107.8                 | 32.0 | 21st            | 75.8                 |   |                 |
| July .     | 81.3          | 84.5      | 84.3            | 90.7                 | 12.5                 | 78.2                 | 7th & 20th       | 96.9  | 25.2            | 16th            | 71.7 | 82.4            | 84.2  | 87.0      | 90.4      | 13.1                 | 77.3                 | 1st                  | 101.4                 | 27.0 | 27th            | 74.4                 |   |                 |
| August .   | 82.4          | 85.6      | 85.6            | 90.5                 | 11.4                 | 79.1                 | 13th             | 97.9  | 20.4            | 14th            | 77.5 | 80.6            | 81.8  | 85.2      | 87.1      | 11.9                 | 75.2                 | 14th                 | 96.7                  | 23.6 | 11th            | 73.1                 |   |                 |
| September  | 81.9          | 84.3      | 88.9            | 93.2                 | 18.3                 | 74.9                 | 30th             | 98.6  | 26.9            | 14th            | 71.7 | 82.1            | 84.4  | 91.6      | 93.0      | 20.9                 | 72.1                 | 30th                 | 102.2                 | 33.8 | 17th            | 68.4                 |   |                 |
| October .  | 84.4          | 87.3      | 91.6            | 96.9                 | 19.7                 | 77.2                 | 1st              | 100.6 | 29.5            | 31st            | 71.1 | 83.7            | 89.8  | 95.9      | 98.5      | 27.0                 | 71.5                 | 9th                  | 101.5                 | 39.7 | 31st            | 61.8                 |   |                 |
| November   | 77.1          | 83.2      | 87.8            | 93.8                 | 27.5                 | 66.3                 | 1st              | 97.7  | 46.4            | 29th            | 51.3 | 77.1            | 85.3  | 90.7      | 93.4      | 32.0                 | 61.4                 | 11th                 | 97.5                  | 44.2 | 30th            | 53.3                 |   |                 |
| December   | 67.0          | 72.9      | 82.6            | 87.6                 | 36.2                 | 51.4                 | 7th              | 97.2  | 56.5            | 29th            | 40.7 | 69.0            | 75.3  | 83.3      | 85.5      | 33.5                 | 52.0                 | 18th                 | 90.6                  | 45.6 | 29th            | 45.0                 |   |                 |
| Year .     | ?             | ?         | ?               | ?                    | ?                    | ?                    | ...              | ?     | ?               | ...             | 40.7 | 80.6            | 84.3  | 91.7      | 93.8      | 26.5                 | 67.4                 | ...                  | 118.6                 | 78.3 | ...             | 40.3                 |   |                 |

\* Mean of 26 days.

† " " 28 "

‡ Mean of 24 days.

§ " " 30 "

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

83

90. SURAT (corrected).

91. MALEGAON (corrected).

| MONTH.    | Mean. | to hours. | to hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | to hours. | to hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |
| January . | 69.0  | 75.1      | 81.8      | 84.2                 | 28.0                 | 56.2                 | 7th              | 89.8  | 39.2            | 1st & 30th      | 50.6 | 66.6  | 71.5      | 82.1      | 83.3                 | 32.2                 | 51.1                 | 30th             | 88.5  | 41.9            | 27th            | 46.6 |
| February  | 72.5  | 78.9      | 87.6      | 90.4                 | 33.1                 | 57.3                 | 25th             | 100.4 | 53.2            | 18th            | 47.2 | 71.4  | 76.6      | 89.1      | 90.4                 | 36.8                 | 53.6                 | 26th             | 101.4 | 63.0            | 2nd             | 38.4 |
| March .   | 78.9  | 85.3      | 91.7      | 94.6                 | 28.5                 | 66.1                 | 14th             | 105.3 | 44.0            | 10th            | 61.3 | 78.2  | 84.9      | 94.4      | 96.6                 | 34.6                 | 62.0                 | 31st             | 104.6 | 51.5            | 11th            | 53.1 |
| April .   | 83.4  | 91.3      | 97.6      | 101.6                | 32.5                 | 69.1                 | 24th             | 108.5 | 48.5            | 2nd             | 60.0 | 84.4  | 95.7      | 100.6     | 103.6                | 35.4                 | 68.2                 | 27th             | 108.5 | 50.7            | 2nd             | 57.8 |
| May .     | 86.7  | 91.6      | 93.7      | 97.7                 | 18.0                 | 79.7                 | 2nd              | 105.8 | 33.1            | 3rd             | 72.7 | 87.2  | 95.8      | 98.7      | 104.5                | 28.9                 | 75.6                 | 13th             | 110.5 | 41.4            | 6th             | 69.1 |
| June .    | 84.6  | 88.0      | 89.0      | Imper-<br>fect.      | ?                    | 80.1                 | ...              | ?     | ?               | 19th & 30th     | 75.4 | 80.2  | 87.1      | 86.8      | 94.1                 | 28.5                 | 73.6                 | 7th              | 100.9 | 31.1            | 8th             | 69.8 |
| July .    | 80.4  | 83.3      | 83.4      | 86.2                 | 8.9                  | 77.3                 | 10th             | 90.6  | 15.8            | 27th            | 74.8 | 77.3  | 81.3      | 82.6      | 86.6                 | 14.7                 | 71.9                 | 6th              | 92.9  | 23.1            | 28th            | 69.8 |
| August .  | 80.2  | 83.3      | 83.6      | 86.8                 | 10.0                 | 76.8                 | 13th             | 91.9  | 19.3            | 15th            | 72.6 | 76.3  | 80.1      | 82.2      | 85.6                 | 15.3                 | 70.3                 | 7th              | 91.4  | 23.9            | 9th             | 67.5 |
| September | 81.8  | 85.6      | 87.9      | 91.0                 | 15.4                 | 75.6                 | 30th             | 97.0  | 24.5            | 15th            | 72.5 | 77.8  | 83.4      | 87.2      | 89.9                 | 21.6                 | 68.3                 | 27th             | 97.4  | 32.4            | 14th            | 65.0 |
| October . | 80.6  | 85.8      | 87.4      | 91.6                 | 17.8                 | 73.8                 | 16th             | 96.0  | 30.0            | 12th            | 66.0 | 76.1  | 82.3      | 83.7      | 88.2                 | 19.7                 | 68.5                 | 9th              | 92.4  | 31.9            | 13th            | 60.5 |
| November  | 76.0  | 84.6      | 86.0      | 90.4                 | 24.4                 | 66.0                 | 11th             | 92.9  | 35.1            | 7th             | 57.8 | 71.7  | 81.0      | 84.8      | 87.0                 | 28.4                 | 58.6                 | 14th             | 90.1  | 40.0            | 23rd            | 50.1 |
| December  | 70.5  | 78.4      | 82.7      | 86.1                 | 27.9                 | 58.2                 | 17th             | 89.9  | 36.3            | 31st            | 53.6 | 65.4  | 73.4      | 80.0      | 82.1                 | 31.3                 | 50.8                 | 22nd             | 86.5  | 43.3            | 20th            | 43.2 |
| Year .    | 78.7  | 84.3      | 87.7      | ?                    | ?                    | 69.7                 | ...              | ?     | ?               | ...             | 47.2 | 76.1  | 82.8      | 87.7      | 91.0                 | 26.6                 | 64.4                 | ...              | 110.5 | 72.1            | ...             | 38.4 |

92. BOMBAY (corrected).

93. POONA (corrected).

| MONTH.    | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      | Mean. | to hours. | to hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|----------|-----------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|           |       |          |           |           |           |                      |                      |                      | Day.             | o    |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |
| January . | 73.3  | 69.2     | 74.4      | 78.1      | 72.3      | 81.3                 | 13.5                 | 67.8                 | 5th              | 86.2 | 24.2            | 30th            | 62.0 | 70.9  | 72.7      | 81.5      | 83.9                 | 31.3                 | 52.6                 | 30th             | 90.5  | 43.5            | 2nd             | 47.0 |
| February  | 73.6  | 68.6     | 75.4      | 78.5      | 72.2      | 82.0                 | 15.0                 | 67.0                 | 12th             | 86.6 | 28.5            | 3rd             | 58.1 | 78.1  | 80.3      | 90.4      | 92.4                 | 36.3                 | 56.1                 | 27th             | 101.9 | 56.9            | 2nd             | 45.0 |
| March .   | 78.9  | 74.4     | 81.3      | 82.6      | 77.4      | 86.4                 | 12.9                 | 73.5                 | 14th             | 95.7 | 27.0            | 10th            | 68.7 | 82.5  | 85.9      | 93.9      | 96.7                 | 34.2                 | 62.5                 | 31st             | 104.3 | 52.8            | 10th            | 51.5 |
| April .   | 81.7  | 77.2     | 84.0      | 85.2      | 80.2      | 88.2                 | 11.9                 | 76.3                 | 5th              | 91.2 | 20.1            | 4th             | 71.1 | 86.1  | 93.5      | 97.5      | 103.2                | 36.4                 | 66.8                 | 10th             | 109.2 | 51.5            | 6th             | 57.7 |
| May .     | 84.9  | 82.1     | 87.1      | 87.8      | 83.5      | 90.7                 | 9.5                  | 81.2                 | 26th             | 93.5 | 14.5            | 4th             | 79.0 | 85.3  | 91.0      | 94.3      | 100.2                | 27.8                 | 72.4                 | 15th             | 104.0 | 36.3            | 5th             | 67.7 |
| June .    | 83.2  | 81.4     | 84.1      | 85.1      | 82.5      | 87.4                 | 8.0                  | 79.4                 | 3rd              | 91.8 | 16.5            | 30th            | 75.3 | 79.2  | 83.6      | 83.4      | 89.6                 | 17.0                 | 72.6                 | 8th              | 96.0  | 26.4            | 9th             | 69.6 |
| July .    | 80.6  | 79.3     | 81.3      | 82.0      | 80.1      | 84.0                 | 6.7                  | 77.3                 | 5th              | 87.6 | 13.0            | 23rd            | 74.6 | 75.7  | 78.7      | 78.3      | 82.9                 | 12.2                 | 70.7                 | 7th              | 90.8  | 22.0            | 28th            | 68.8 |
| August .  | 80.5  | 78.8     | 81.6      | 82.2      | 79.5      | 84.4                 | 7.4                  | 77.0                 | 5th              | 86.3 | 12.4            | 15th            | 73.9 | 75.9  | 78.4      | 78.6      | 83.9                 | 14.3                 | 69.6                 | 13th             | 90.1  | 22.1            | 2nd & 6th       | 68.0 |
| September | 80.6  | 78.3     | 81.9      | 82.7      | 79.5      | 85.1                 | 8.3                  | 76.8                 | 24th             | 87.8 | 13.5            | 4th             | 74.3 | 76.7  | 80.6      | 81.2      | 87.3                 | 19.0                 | 68.3                 | 29th             | 94.5  | 29.5            | 13th            | 65.0 |
| October . | 80.4  | 77.9     | 82.5      | 83.1      | 79.4      | 85.7                 | 8.8                  | 76.9                 | 29th             | 90.4 | 16.2            | 25th            | 74.2 | 77.7  | 79.9      | 82.3      | 86.0                 | 17.1                 | 68.9                 | 9th              | 89.7  | 26.5            | 13th            | 63.2 |
| November  | 79.5  | 75.9     | 81.1      | 83.4      | 78.5      | 86.2                 | 11.5                 | 74.7                 | 3rd              | 91.8 | 21.9            | 12th & 24th     | 69.9 | 76.3  | 78.2      | 83.1      | 85.2                 | 23.5                 | 61.7                 | 3rd              | 88.3  | 36.4            | 30th            | 51.9 |
| December  | 75.5  | 71.5     | 76.7      | 80.1      | 74.4      | 83.0                 | 13.0                 | 70.0                 | 18th             | 87.9 | 21.3            | 9th             | 66.6 | 71.1  | 73.3      | 80.7      | 82.6                 | 27.7                 | 54.9                 | 16th             | 87.3  | 41.1            | 7th             | 46.2 |
| Year .    | 79.4  | 76.2     | 81.0      | 82.6      | 78.3      | 85.4                 | 10.5                 | 74.8                 | ...              | 95.7 | 37.6            | ...             | 58.1 | 78.0  | 81.3      | 85.4      | 89.5                 | 24.7                 | 64.8                 | ...              | 109.2 | 64.2            | ...             | 45.0 |

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

94. SHOLAPUR (*corrected*).95. RATNAGIRI (*corrected*).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |
| January   | 70.8  | 78.0      | 84.2      | 86.0                 | 28.6                 | 57.4                 | 27th             | 92.0  | 43.4            | 1st             | 48.6 | 73.3  | 81.0      | 81.0      | 85.7                 | 20.1                 | 65.6                 | 6th              | 92.2  | 32.3            | 26th            | 59.9 |
| February  | 76.9  | 83.9      | 91.9      | 93.5                 | 31.7                 | 61.8                 | 28th             | 102.5 | 51.9            | 5th             | 50.6 | 74.6  | 84.5      | 83.0      | 87.9                 | 21.8                 | 66.1                 | 5th              | 93.9  | 36.3            | 2nd             | 57.6 |
| March     | 83.1  | 90.2      | 97.7      | 100.1                | 31.6                 | 68.5                 | 31st             | 106.7 | 52.5            | 10th            | 54.2 | 79.0  | 85.7      | 85.8      | 89.1                 | 17.0                 | 72.1                 | 14th             | 100.4 | 33.5            | 10th            | 66.9 |
| April     | 88.7  | 97.1      | 103.4     | 106.0                | 32.0                 | 74.0                 | 27th             | 109.8 | 46.4            | 6th             | 63.4 | 81.3  | 87.3      | 87.1      | 90.4                 | 14.9                 | 75.5                 | 14th             | 96.6  | 27.2            | 5th             | 69.4 |
| May       | 88.0  | 93.3      | 99.4      | 104.0                | 27.5                 | 76.5                 | 13th             | 111.0 | 38.8            | 31st            | 72.2 | 84.3  | 89.6      | 88.7      | 92.4                 | 12.6                 | 79.8                 | 25th             | 98.2  | 22.4            | 24th            | 75.8 |
| June      | 80.9  | 85.2      | 88.4      | 94.1                 | 20.7                 | 73.4                 | 10th             | 103.8 | 32.7            | 1st & 7th       | 71.1 | 80.1  | 83.9      | 83.5      | 86.5                 | 9.9                  | 76.6                 | 10th             | 92.0  | 18.2            | 6th & 21st      | 73.8 |
| July      | 77.7  | 81.0      | 84.1      | 87.7                 | 16.4                 | 71.3                 | 9th              | 95.9  | 27.8            | 28th            | 68.1 | 78.0  | 81.2      | 80.7      | 83.3                 | 8.0                  | 75.3                 | 4th              | 86.8  | 13.4            | 11th            | 73.4 |
| August    | 76.9  | 79.9      | 83.6      | 86.2                 | 16.1                 | 70.1                 | 2nd & 6th        | 93.0  | 25.4            | 29th            | 67.6 | 77.5  | 80.8      | 80.3      | 83.0                 | 8.4                  | 74.6                 | 8th              | 85.8  | 13.0            | 20th            | 72.8 |
| September | 78.9  | 83.0      | 87.1      | 90.5                 | 19.8                 | 70.7                 | 27th             | 98.0  | 30.8            | 3rd & 13th      | 67.2 | 78.5  | 83.0      | 82.3      | 84.9                 | 10.3                 | 74.6                 | 25th & 28th      | 87.9  | 16.0            | 19th            | 71.9 |
| October   | 76.5  | 81.6      | 83.0      | 86.9                 | 16.9                 | 70.0                 | 10th             | 91.4  | 26.5            | 12th            | 64.9 | 78.3  | 83.7      | 82.0      | 85.5                 | 10.9                 | 74.6                 | 29th             | 94.0  | 22.1            | 2nd             | 71.9 |
| November  | 74.2  | 82.2      | 85.8      | 87.5                 | 24.9                 | 62.6                 | 14th             | 91.6  | 38.2            | 23rd            | 53.4 | 77.5  | 86.3      | 83.9      | 88.9                 | 17.9                 | 71.0                 | 3rd              | 94.8  | 29.6            | 7th             | 65.2 |
| December  | 69.8  | 77.6      | 82.1      | 83.7                 | 26.2                 | 57.5                 | 15th             | 88.0  | 38.8            | 6th             | 49.2 | 75.3  | 84.4      | 83.1      | 88.1                 | 20.6                 | 67.5                 | 2nd              | 92.6  | 29.6            | 8th             | 63.0 |
| Year      | 78.5  | 84.4      | 89.2      | 92.2                 | 24.4                 | 67.8                 | ...              | 111.0 | 62.4            | ...             | 48.6 | 78.1  | 84.3      | 83.5      | 87.1                 | 14.4                 | 72.8                 | ...              | 100.4 | 42.8            | ...             | 57.6 |

96. BELGAUM (*corrected*).97. KARWAR (*corrected*).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o    |                 | Day.            | o    |
| January   | 70.6  | 73.1      | 80.4      | 82.7                 | 25.8                 | 56.9                 | 21st             | 87.6  | 35.7            | 1st & 3rd       | 51.9 | 74.2  | 76.6      | 83.0      | 85.6                 | 20.2                 | 65.4                 | 1st & 17th       | 88.9 | 28.8            | 2nd             | 60.1 |
| February  | 76.7  | 79.9      | 87.4      | 89.3                 | 28.9                 | 60.4                 | 28th             | 97.5  | 46.1            | 1st             | 51.4 | 75.5  | 78.8      | 85.2      | 88.4                 | 22.6                 | 65.8                 | 7th              | 92.6 | 31.7            | 2nd             | 60.9 |
| March     | 79.4  | 84.5      | 89.3      | 93.3                 | 29.7                 | 63.6                 | 31st             | 99.3  | 44.5            | 26th            | 54.8 | 79.2  | 83.6      | 86.4      | 89.2                 | 17.3                 | 71.9                 | 13th             | 93.5 | 27.6            | 11th            | 65.9 |
| April     | 81.7  | 88.5      | 90.5      | 97.8                 | 30.9                 | 66.9                 | 21st             | 100.7 | 37.6            | 6th             | 63.1 | 82.0  | 85.9      | 87.4      | 90.3                 | 13.8                 | 76.5                 | 3rd & 13th       | 91.9 | 22.6            | 3rd             | 69.3 |
| May       | 78.4  | 82.9      | 83.8      | 91.3                 | 23.0                 | 68.3                 | 5th              | 97.9  | 32.9            | 5th             | 65.0 | 83.1  | 86.5      | 87.5      | 90.7                 | 12.0                 | 78.7                 | 25th             | 93.3 | 20.2            | 20th            | 73.1 |
| June      | 73.4  | 75.7      | 75.1      | 79.9                 | 11.4                 | 68.5                 | 10th             | 87.5  | 21.7            | 17th & 18th     | 65.8 | 79.4  | 82.2      | 82.8      | 85.9                 | 9.9                  | 76.0                 | 11th             | 88.9 | 16.8            | 16th            | 72.1 |
| July      | 70.8  | 73.0      | 72.0      | 76.2                 | 9.3                  | 66.9                 | 7th              | 83.8  | 18.6            | 17th            | 65.2 | 76.1  | 78.1      | 78.6      | 81.6                 | 8.1                  | 73.5                 | 7th              | 86.2 | 14.6            | 18th            | 71.6 |
| August    | 70.5  | 72.8      | 72.9      | 77.0                 | 10.9                 | 66.1                 | 11th             | 81.9  | 18.3            | 31st            | 63.6 | 76.4  | 78.2      | 79.5      | 81.6                 | 8.3                  | 73.3                 | 22nd & 26th      | 84.2 | 12.4            | 15th & 18th     | 71.8 |
| September | 72.3  | 76.8      | 75.2      | 82.3                 | 16.7                 | 65.6                 | 29th             | 92.6  | 29.6            | 18th            | 63.0 | 77.4  | 80.0      | 80.9      | 83.1                 | 9.2                  | 73.9                 | 28th             | 85.7 | 13.9            | 8th             | 71.8 |
| October   | 72.6  | 75.3      | 76.3      | 80.5                 | 14.9                 | 65.6                 | 12th             | 86.6  | 25.7            | 21st            | 60.9 | 76.9  | 79.7      | 80.8      | 83.4                 | 10.4                 | 73.0                 | 13th             | 86.7 | 16.6            | 2nd             | 70.1 |
| November  | 73.1  | 76.0      | 80.5      | 82.5                 | 21.4                 | 61.1                 | 4th              | 87.6  | 32.3            | 18th            | 55.3 | 75.9  | 78.8      | 83.5      | 86.6                 | 18.4                 | 68.2                 | 4th              | 91.3 | 28.6            | 24th            | 62.7 |
| December  | 70.3  | 73.2      | 78.6      | 80.6                 | 22.6                 | 58.0                 | 15th & 16th      | 84.6  | 32.4            | 24th            | 52.2 | 75.1  | 77.7      | 84.1      | 86.9                 | 20.9                 | 66.0                 | 18th             | 90.3 | 32.2            | 8th             | 58.1 |
| Year      | 74.2  | 77.6      | 80.2      | 84.5                 | 20.5                 | 64.0                 | ...              | 100.7 | 49.3            | ...             | 51.4 | 77.6  | 80.5      | 83.3      | 86.1                 | 14.2                 | 71.9                 | ...              | 93.5 | 35.4            | ...             | 58.1 |

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

98. GOPALPUR (*corrected*).99. VIZAGAPATAM (*corrected*).

| MONTH.     | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean<br>daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM.                               |      | Absolute range. | LOWEST MINIMUM.                          |      | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Mean of Maxi-<br>ma. | Mean<br>daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM.       |      |
|------------|-------|-----------|-----------|----------------------|-------------------------|----------------------|------------------------------------------------|------|-----------------|------------------------------------------|------|-------|----------|-----------|-----------|-----------|----------------------|-------------------------|----------------------|------------------|------|-----------------|-----------------------|------|
|            |       |           |           |                      |                         |                      | Day.                                           | o    |                 | Day.                                     | o    |       |          |           |           |           |                      |                         |                      | Day.             | o    |                 | Day.                  | o    |
| January .  | 69.8  | 74.1      | 75.1      | 79.1                 | 14.7                    | 64.4                 | 26th & 27th                                    | 84.2 | 25.2            | 5th                                      | 59.0 | 74.3  | 71.2     | 74.8      | 77.0      | 74.0      | 77.5                 | 7.8                     | 69.7                 | 28th             | 81.8 | 16.3            | 7th                   | 65.5 |
| February . | 73.9  | 79.3      | 79.1      | 81.3                 | 12.7                    | 68.6                 | 26th                                           | 92.2 | 30.3            | 7th                                      | 61.9 | 78.5  | 75.5     | 79.2      | 81.5      | 77.7      | 81.9                 | 8.1                     | 73.8                 | 25th & 26th      | 88.5 | 18.8            | 10th                  | 69.7 |
| March .    | 78.8  | 82.5      | 82.3      | 84.6                 | 9.3                     | 75.3                 | 13th & 16th<br>to 19th.                        | 87.2 | 16.8            | 8th                                      | 70.4 | 83.4  | 81.3     | 84.4      | 84.9      | 82.8      | 86.0                 | 5.5                     | 80.5                 | 16th & 17th      | 87.8 | 10.5            | 12th                  | 77.3 |
| April .    | 80.3  | 82.7      | 82.9      | 84.6                 | 6.9                     | 77.7                 | 21st                                           | 86.7 | 10.9            | 4th, 6th, 15th,<br>17th, 20th &<br>26th. | 75.8 | 85.9  | 83.8     | 87.3      | 87.4      | 85.1      | 88.2                 | 5.2                     | 83.0                 | 18th             | 90.0 | 8.5             | 8th                   | 81.5 |
| May .      | 83.1  | 86.4      | 85.6      | 87.9                 | 7.3                     | 80.6                 | 9th, 10th, 18th<br>23rd, 24th 28th<br>to 31st. | 89.2 | 12.4            | 5th, 13th,<br>16th & 17th.               | 76.8 | 86.9  | 85.6     | 87.8      | 87.9      | 86.4      | 89.0                 | 4.1                     | 84.9                 | 8th              | 93.0 | 11.5            | 24th                  | 81.5 |
| June .     | 84.1  | 86.3      | 86.4      | 88.4                 | 6.6                     | 81.8                 | 7th                                            | 92.7 | 13.9            | 1st, 2nd,<br>14th & 15th,<br>26th        | 78.8 | 86.4  | 85.1     | 86.9      | 87.6      | 86.0      | 88.9                 | 4.3                     | 84.6                 | 13th             | 92.8 | 10.0            | 21st & 22nd           | 82.8 |
| July .     | 82.1  | 84.2      | 84.3      | 86.9                 | 7.1                     | 79.8                 | 26th                                           | 92.2 | 17.4            | 17th, 18th,<br>& 30th.                   | 74.8 | 85.1  | 83.7     | 85.1      | 86.7      | 84.7      | 87.6                 | 4.6                     | 83.0                 | 18th             | 92.4 | 13.4            | 22nd                  | 79.0 |
| August .   | 83.1  | 85.4      | 85.5      | 88.0                 | 7.4                     | 80.6                 | 12th                                           | 90.2 | 11.4            | 19th, 20th,<br>29th & 30th.              | 78.8 | 84.8  | 83.4     | 85.0      | 86.3      | 84.4      | 87.0                 | 4.0                     | 83.0                 | 26th             | 92.0 | 12.5            | 19th                  | 79.5 |
| September  | 83.1  | 85.6      | 85.8      | 89.0                 | 8.7                     | 80.3                 | 17th                                           | 91.2 | 13.4            | 31st                                     | 77.8 | 86.0  | 84.5     | 86.6      | 87.3      | 85.4      | 88.4                 | 4.3                     | 84.1                 | 22nd             | 90.8 | 8.8             | 30th                  | 82.0 |
| October .  | 81.4  | 84.7      | 84.3      | 86.6                 | 8.1                     | 78.5                 | 22nd, 24th<br>& 25th.                          | 89.2 | 13.4            | 30th                                     | 75.8 | 82.7  | 81.6     | 83.1      | 83.8      | 82.4      | 84.5                 | 3.5                     | 81.0                 | 28th & 29th      | 86.7 | 8.7             | 19th                  | 78.0 |
| November   | 76.2  | 80.8      | 80.7      | 83.5                 | 11.9                    | 71.6                 | 2nd                                            | 88.2 | 24.3            | 30th                                     | 63.9 | 79.8  | 78.2     | 80.3      | 81.5      | 79.2      | 82.3                 | 4.6                     | 77.7                 | 1st              | 85.7 | 12.2            | 17th, 18th<br>& 22nd. | 73.5 |
| December   | 70.7  | 75.6      | 76.3      | 79.2                 | 14.2                    | 65.0                 | 13th                                           | 82.8 | 22.8            | 26th                                     | 60.0 | 74.6  | 72.2     | 75.3      | 77.3      | 73.6      | 77.9                 | 7.0                     | 70.9                 | 13th             | 82.3 | 17.3            | 21st                  | 65.0 |
| Year .     | 78.9  | 82.3      | 82.4      | 84.9                 | 9.6                     | 75.4                 | ...                                            | 92.7 | 33.7            | ...                                      | 59.0 | 82.4  | 80.5     | 83.0      | 84.1      | 81.8      | 84.9                 | 5.3                     | 79.7                 | ...              | 93.0 | 28.0            | ...                   | 65.0 |

100. RAJAHMUNDRY (*corrected*).101. MASULIPATAM (*corrected*).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range.                   | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |       |           |           |                      |                                        |                      | Day.             | o     |                 | Day.            | o    |
| January   | 74.5  | 77.7      | 82.1      | 84.8                 | 21.1                 | 63.7                 | 29th             | 92.2  | 35.4            | 6th             | 56.8 | 72.9  | 77.9      | 78.9      | 82.4                 | 18.2                                   | 64.2*                | 29th             | 86.4  | 27.3            | 6th             | 59.1 |
| February  | 79.4  | 81.2      | 89.8      | 92.2                 | 35.0                 | 67.2                 | 26th             | 100.0 | 36.8            | 11th            | 63.2 | P     | 81.8      | 83.1      | 87.1                 | Shade minl.<br>not recorded.<br>Ditto. |                      | 25th             | 93.9  | P               | ...             | P    |
| March     | 83.8  | 85.4      | 91.7      | 95.1                 | 20.9                 | 74.2                 | 2nd              | 98.7  | 31.3            | 10th            | 67.4 | P     | 86.9      | 86.6      | 91.5                 |                                        |                      | 24th             | 94.8  | P               | ...             | P    |
| April     | 88.5  | 90.0      | 97.0      | 100.4                | 21.8                 | 78.6                 | 19th             | 106.1 | 30.0            | 11th            | 76.1 | P     | 90.0      | 89.4      | 95.1                 | Ditto.                                 |                      | 19th             | 100.5 | P               | ...             | P    |
| May       | 88.4  | 91.5      | 94.1      | 100.1                | 20.6                 | 79.5                 | 9th              | 111.0 | 39.3            | 31st            | 71.7 | 86.7  | 92.5      | 91.6      | 97.2                 |                                        |                      | 9th              | 108.4 | 34.6            | 31st            | 73.8 |
| June      | 84.9  | 85.8      | 90.8      | 92.8                 | 14.6                 | 78.2                 | 12th             | 102.0 | 28.1            | 15th            | 73.9 | 84.5  | 87.9      | 90.6      | 94.8                 | 16.3                                   | 78.5                 | 12th             | 103.8 | 30.7            | 4th             | 73.1 |
| July      | 81.6  | 82.7      | 85.0      | 88.2                 | 11.1                 | 77.1                 | 30th             | 95.2  | 21.7            | 10th            | 73.5 | 82.8  | 85.5      | 88.1      | 91.8                 | 14.5                                   | 77.3                 | 30th             | 97.9  | 26.3            | 10th            | 71.6 |
| August    | 82.6  | 83.9      | 86.5      | 89.3                 | 11.8                 | 77.5                 | 11th             | 96.8  | 24.5            | 17th            | 72.3 | 81.7  | 84.3      | 86.1      | 89.2                 | 12.1                                   | 77.1                 | 5th              | 94.4  | 21.8            | 18th            | 72.6 |
| September | 84.5  | 87.2      | 88.3      | 92.7                 | 14.8                 | 77.9                 | 22nd             | 98.7  | 24.6            | 25th & 28th     | 74.1 | 83.5  | 87.0      | 87.5      | 91.0†                | 13.2                                   | 77.8                 | 13th             | 95.7  | 23.2            | 30th            | 72.5 |
| October   | 80.0  | 82.6      | 82.0      | 87.4                 | 11.9                 | 75.5                 | 5th              | 93.9  | 19.9            | 16th & 24th     | 74.0 | 80.2  | 82.6      | 83.9      | Imper-<br>fect.      | P                                      | 76.1                 | ...              | P     | P               | 16th            | 73.6 |
| November  | 78.7  | 81.4      | 84.1      | 87.5                 | 16.8                 | 70.7                 | 13th             | 91.5  | 27.8            | 17th            | 63.7 | 79.1  | 82.6      | 83.7      | 86.0                 | 13.7                                   | 72.3                 | 2nd & 23rd       | 89.1  | 23.5            | 18th            | 65.6 |
| December  | 74.0  | 76.6      | 81.1      | 84.2                 | 19.8                 | 64.4                 | 15th             | 90.0  | 31.1            | 20th & 23rd     | 58.9 | 74.1  | 78.3      | 79.6      | 82.5                 | 16.3                                   | 66.2                 | 14th             | 89.6  | 29.9            | 7th             | 59.7 |
| Year      | 81.7  | 83.8      | 87.7      | 91.2                 | 17.5                 | 73.7                 | ...              | 111.0 | 54.2            | ...             | 56.8 | P     | 84.8      | 85.8      | P                    | P                                      | P                    | ...              | 108.4 | P               | ...             | P    |

\* Mean of 26 days.

† " " 21 "

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

## 102. SECUNDERABAD (corrected).

## 103. KURNOOL (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | 22 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|           |       |           |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |
| January   | 69.4  | 72.3      | 80.2      | 67.7      | 82.6                 | 23.8                 | 58.8                 | 24th             | 89.4  | 37.8            | 1st             | 51.6 | 74.0  | 77.5      | 84.6      | 86.9                 | 27.0                 | 59.9                 | 25th             | 93.8  | 40.7            | 10th            | 53.1 |
| February  | 75.7  | 79.2      | 88.0      | 74.0      | 90.4                 | 27.7                 | 62.7                 | 27th             | 100.2 | 47.9            | 5th             | 52.3 | 79.0  | 83.6      | 92.2      | 94.1                 | 32.9                 | 61.2                 | 28th             | 103.5 | 51.8            | 6th             | 51.7 |
| March     | 82.0  | 85.6      | 94.1      | 80.3      | 96.8                 | 27.3                 | 69.5                 | 29th             | 101.9 | 37.8            | 26th            | 64.1 | 86.6  | 89.7      | 98.1      | 100.5                | 29.2                 | 71.3*                | 29th & 31st      | 105.3 | 40.5            | 20th            | 64.8 |
| April     | 87.9  | 92.3      | 99.8      | 85.6      | 103.0                | 27.9                 | 75.1                 | 10th             | 106.2 | 38.8            | 6th             | 67.4 | 92.4  | 94.8      | 103.1     | 106.5                | 27.2                 | 79.3                 | 12th             | 109.1 | 37.1            | 24th            | 72.0 |
| May       | 87.0  | 89.8      | 96.4      | 85.1      | 100.7                | 23.0                 | 77.7                 | 13th             | 108.9 | 36.3            | 18th            | 72.6 | 91.0  | 93.7      | 99.5      | 103.8                | 23.9                 | 79.9                 | 13th             | 111.5 | 39.6            | 4th             | 71.9 |
| June      | 80.3  | 82.3      | 87.5      | 78.6      | 91.2                 | 17.5                 | 73.7                 | 11th             | 100.7 | 31.6            | 3rd             | 69.1 | 84.3  | 86.1      | 90.9      | 93.9                 | 17.9                 | 76.0                 | 11th             | 104.4 | 32.5            | 13th            | 71.9 |
| July      | 76.4  | 78.5      | 80.7      | 75.2      | 85.0                 | 13.4                 | 71.6                 | 7th              | 89.9  | 20.9            | 19th            | 69.0 | 81.2  | 82.9      | 86.5      | 90.0                 | 15.8                 | 74.2                 | 7th              | 93.5  | 21.2            | 23rd            | 72.3 |
| August    | 76.8  | 78.8      | 82.0      | 75.3      | 84.9                 | 13.3                 | 71.6                 | 11th             | 90.3  | 21.9            | 29th            | 68.4 | 80.2  | 81.5      | 85.8      | 88.0                 | 14.8                 | 73.2                 | 4th              | 92.8  | 23.9            | 7th             | 68.9 |
| September | 79.3  | 82.9      | 85.4      | 76.8      | 89.5                 | 17.4                 | 72.1                 | 27th             | 95.1  | 25.2            | 26th            | 69.9 | 82.6  | 84.8      | 88.1      | 91.5                 | 16.6                 | 74.9                 | 29th             | 97.8  | 27.7            | 29th            | 70.1 |
| October   | 77.0  | 79.5      | 83.0      | 75.1      | 86.4                 | 15.4                 | 71.0                 | 7th              | 91.3  | 27.5            | 12th            | 63.8 | 79.9  | 81.8      | 85.0      | 88.6                 | 15.8                 | 72.8                 | 4th              | 92.7  | 22.9            | 21st            | 69.8 |
| November  | 73.3  | 77.9      | 81.6      | 70.4      | 84.4                 | 20.2                 | 64.2                 | 2nd              | 88.8  | 31.0            | 17th            | 57.8 | 77.9  | 83.0      | 85.8      | 88.9                 | 24.0                 | 64.9                 | 14th             | 92.9  | 36.6            | 17th            | 56.3 |
| December  | 68.6  | 73.1      | 79.3      | 66.1      | 82.0                 | 24.3                 | 57.7                 | 14th             | 88.0  | 35.2            | 8th             | 52.8 | 73.0  | 77.4      | 83.1      | 85.3                 | 26.8                 | 58.5                 | 15th             | 91.4  | 41.7            | 7th             | 49.7 |
| Year      | 77.8  | 81.0      | 86.5      | 75.9      | 89.7                 | 20.9                 | 68.8                 | ...              | 108.9 | 57.3            | ...             | 51.6 | 81.8  | 84.7      | 90.2      | 93.2                 | 22.7                 | 70.5                 | ...              | 111.5 | 61.8            | ...             | 49.7 |

\* Mean of 30 days.

## 104. BELLARY (corrected).

## 105. MANGALORE (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | 22 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM.     |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM.      |      | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|-----------|----------------------|----------------------|----------------------|----------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|-----------------------|------|-----------------|-----------------|------|
|           |       |           |           |           |                      |                      |                      | Day.                 | o     |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.                  | o    |                 | Day.            | o    |
| January   | 72.7  | 76.6      | 85.2      | 70.9      | 86.6                 | 27.1                 | 59.5                 | 28th                 | 93.7  | 41.2            | 10th            | 52.5 | 76.7  | 81.1      | 82.8      | 86.8                 | 16.2                 | 70.6                 | 6th                   | 94.2 | 29.2            | 11th            | 65.0 |
| February  | 77.6  | 81.6      | 91.8      | 75.5      | 92.8                 | 29.7                 | 63.1                 | 28th                 | 101.6 | 46.6            | 6th             | 55.0 | 78.2  | 84.4      | 85.2      | 89.4                 | 18.2                 | 71.2                 | 23rd                  | 97.4 | 29.8            | 13th            | 67.6 |
| March     | 85.0  | 87.9      | 98.0      | 83.4      | 99.1                 | 27.6                 | 71.5                 | 29th                 | 104.1 | 37.5            | 19th            | 66.6 | 81.8  | 85.2      | 86.9      | 89.4                 | 12.8                 | 76.6                 | 13th                  | 92.3 | 20.7            | 27th            | 71.6 |
| April     | 89.9  | 92.9      | 102.2     | 87.9      | 104.1                | 26.2                 | 77.9                 | 10th                 | 106.1 | 34.7            | 27th            | 71.4 | 84.5  | 87.1      | 88.5      | 91.2                 | 10.8                 | 80.4                 | 22nd, 29th<br>& 30th. | 92.3 | 16.4            | 3rd             | 75.9 |
| May       | 88.2  | 90.3      | 99.4      | 86.2      | 101.3                | 23.6                 | 77.7                 | 13th                 | 107.8 | 33.9            | 9th             | 73.9 | 83.0  | 85.8      | 87.0      | 90.0                 | 11.0                 | 79.0                 | 6th                   | 94.4 | 20.9            | 24th            | 73.5 |
| June      | 82.2  | 84.9      | 89.7      | 80.5      | 93.0                 | 18.5                 | 74.5                 | 8th                  | 97.9  | 29.7            | 10th            | 68.2 | 79.1  | 81.9      | 82.2      | 85.8                 | 9.8                  | 76.0                 | 23rd                  | 88.1 | 16.7            | 16th            | 71.4 |
| July      | 80.7  | 83.4      | 87.3      | 78.4      | 90.8                 | 16.6                 | 74.2                 | 7th                  | 96.5  | 24.8            | 7th             | 71.7 | 76.1  | 77.7      | 78.7      | 81.7                 | 8.3                  | 73.4                 | 7th                   | 85.7 | 15.6            | 3rd             | 70.1 |
| August    | 79.7  | 81.2      | 86.7      | 78.8      | 89.2                 | 16.7                 | 72.5                 | 6th, 23rd<br>& 30th. | 93.5  | 23.6            | 25th & 31st     | 69.9 | 76.1  | 77.9      | 78.7      | 81.9                 | 7.7                  | 73.5                 | 21st & 22nd           | 84.2 | 12.7            | 10th            | 71.5 |
| September | 81.3  | 83.4      | 88.4      | 79.7      | 92.2                 | 18.6                 | 73.6                 | 28th & 29th          | 98.4  | 28.1            | 29th            | 70.3 | 77.2  | 79.7      | 80.4      | 82.8                 | 8.8                  | 74.0                 | 29th                  | 86.1 | 14.2            | 10th            | 71.9 |
| October   | 78.6  | 81.6      | 84.7      | 77.0      | 88.9                 | 17.2                 | 71.7                 | 23rd                 | 93.4  | 25.4            | 21st            | 68.0 | 77.8  | 81.1      | 81.5      | 84.2                 | 10.2                 | 74.0                 | 26th                  | 86.6 | 15.4            | 21st            | 71.2 |
| November  | 76.3  | 80.6      | 85.0      | 73.5      | 87.1                 | 20.3                 | 66.8*                | 1st                  | 92.0  | 31.0            | 18th & 20th     | 61.0 | 77.7  | 82.5      | 83.2      | 86.6                 | 14.5                 | 72.1                 | 30th                  | 92.2 | 23.7            | 21st            | 68.5 |
| December  | 71.4  | 76.1      | 81.8      | 68.4      | 84.0                 | 23.0                 | 61.0                 | 16th                 | 89.2  | 35.9            | 9th             | 53.3 | 76.9  | 81.9      | 83.7      | 87.9                 | 17.8                 | 70.1                 | 4th                   | 91.9 | 27.4            | 21st            | 64.5 |
| Year      | 80.3  | 83.4      | 90.0      | 78.4      | 92.4                 | 22.1                 | 70.3                 | ...                  | 107.8 | 55.3            | ...             | 52.5 | 78.8  | 82.2      | 83.2      | 86.4                 | 12.2                 | 74.2                 | ...                   | 97.4 | 32.9            | ...             | 64.5 |

\* Mean of 29 days.

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

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106. MERCARA (*corrected*).107. BANGALORE (*corrected*).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute<br>range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | 22 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute<br>range. | LOWEST MINIMUM.      |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|--------------------|-----------------|------|-------|-----------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|--------------------|----------------------|------|
|           |       |           |           |                      |                      |                      | Day.             | °    |                    | Day.            | °    |       |           |           |           |                      |                      |                      | Day.             | °    |                    | Day.                 | °    |
| January   | 65.2  | 67.6      | 72.7      | 76.1                 | 18.5                 | 57.6                 | 29th             | 80.3 | 28.9               | 2nd & 10th      | 51.4 | 67.8  | 71.0      | 78.1      | 66.2      | 80.0                 | 22.8                 | 57.2                 | 30th             | 86.6 | 33.7               | 10th                 | 52.9 |
| February  | 68.7  | 72.3      | 78.6      | 81.9                 | 23.1                 | 58.8                 | 28th             | 88.5 | 33.1               | 18th &<br>23rd. | 55.4 | 71.6  | 75.8      | 83.4      | 70.1      | 85.4                 | 27.4                 | 58.0                 | 28th             | 93.5 | 39.8               | 15th                 | 53.7 |
| March     | 72.1  | 78.1      | 82.1      | 85.8                 | 23.8                 | 62.0                 | 1st              | 89.9 | 33.5               | 10th            | 56.4 | 76.5  | 80.6      | 88.8      | 73.2      | 90.6                 | 26.3                 | 64.3                 | 3rd              | 94.0 | 36.3               | 19th                 | 57.7 |
| April     | 73.2  | 79.1      | 81.0      | 87.1                 | 21.8                 | 65.3                 | 9th              | 91.1 | 29.7               | 19th            | 61.4 | 80.1  | 83.4      | 92.3      | 75.6      | 94.5                 | 24.4                 | 70.1                 | 3rd              | 96.9 | 31.0               | 30th                 | 65.9 |
| May       | 70.1  | 74.5      | 74.7      | 80.4                 | 15.0                 | 65.4                 | 10th             | 86.2 | 24.0               | 4th             | 62.2 | 77.2  | 79.2      | 86.5      | 75.2      | 88.5                 | 19.7                 | 68.8                 | 13th             | 95.5 | 31.8               | 7th                  | 63.7 |
| June      | 66.1  | 69.1      | 68.1      | 73.9                 | 9.8                  | 64.1                 | 9th              | 82.3 | 20.4               | 16th            | 61.9 | 73.5  | 75.9      | 80.1      | 71.9      | 83.3                 | 16.6                 | 66.7                 | 25th             | 87.0 | 22.0               | 9th, 16th<br>& 24th. | 65.0 |
| July      | 64.5  | 66.3      | 66.1      | 71.3                 | 8.4                  | 62.9                 | 7th              | 81.3 | 20.9               | 6th             | 60.4 | 71.9  | 73.5      | 76.6      | 71.4      | 80.5                 | 14.0                 | 66.5                 | 7th              | 84.8 | 19.8               | 6th & 8th            | 65.0 |
| August    | 64.1  | 65.8      | 65.9      | 71.3                 | 9.1                  | 62.2                 | 2nd & 26th       | 74.2 | 13.1               | 9th             | 61.1 | 71.7  | 72.7      | 77.3      | 71.0      | 80.0                 | 14.1                 | 65.9                 | 23rd             | 84.0 | 20.2               | 22nd                 | 63.8 |
| September | 65.4  | 69.1      | 68.3      | 73.5                 | 11.0                 | 62.5                 | 29th             | 80.3 | 21.0               | 17th            | 59.3 | 72.7  | 74.1      | 79.1      | 71.8      | 81.6                 | 15.9                 | 65.7                 | 20th             | 83.9 | 20.2               | 17th                 | 63.7 |
| October   | 65.2  | 69.2      | 68.4      | 73.8                 | 11.8                 | 62.0                 | 25th             | 77.9 | 22.3               | 21st            | 55.6 | 71.9  | 74.3      | 78.0      | 70.7      | 81.0                 | 15.7                 | 65.3                 | 30th             | 84.7 | 22.4               | 21st                 | 62.3 |
| November  | 65.1  | 69.1      | 71.1      | 74.7                 | 15.7                 | 59.0                 | 8th              | 78.7 | 26.9               | 18th            | 51.8 | 69.6  | 73.1      | 76.4      | 68.7      | 78.9                 | 17.9                 | 61.0                 | 1st              | 82.5 | 30.5               | 18th                 | 52.0 |
| December  | 64.0  | 66.9      | 70.5      | 73.7                 | 16.2                 | 57.5                 | 14th             | 76.6 | 23.2               | 23rd &<br>24th. | 53.4 | 66.7  | 68.8      | 74.1      | 66.5      | 76.1                 | 17.5                 | 58.6                 | 15th             | 80.9 | 28.2               | 21st                 | 52.7 |
| Year      | 67.0  | 70.6      | 72.3      | 77.0                 | 15.4                 | 61.6                 | ...              | 91.1 | 39.7               | ...             | 51.4 | 72.6  | 75.2      | 80.9      | 71.0      | 83.4                 | 19.4                 | 64.0                 | ...              | 96.9 | 44.9               | ...                  | 52.0 |

108. CUDDAPAH (*corrected*).109. MADRAS (*corrected*).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute<br>range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | 22 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute<br>range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|--------------------|-----------------|------|-------|-----------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|--------------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | °     |                    | Day.            | °    |       |           |           |           |                      |                      |                      | Day.             | °     |                    | Day.            | °    |
| January   | 75.9  | 78.5      | 84.4      | 86.7                 | 21.8                 | 64.9                 | 29th             | 95.1  | 35.8               | 8th             | 59.3 | 74.5  | 79.1      | 80.3      | 72.1      | 83.7                 | 16.3                 | 67.4                 | 29th             | 86.8  | 23.0               | 1st             | 63.8 |
| February  | 80.5  | 83.9      | 91.2      | 96.2                 | 29.8                 | 66.4                 | 28th             | 104.5 | 41.1               | 12th & 20th     | 63.4 | 76.6  | 82.4      | 83.1      | 73.9      | 86.6                 | 18.9                 | 67.7                 | 27th             | 91.5  | 26.9               | 18th            | 64.6 |
| March     | 88.3  | 91.5      | 99.0      | 102.4                | 28.0                 | 74.4                 | 31st             | 106.2 | 37.3               | 16th            | 68.9 | 80.4  | 85.5      | 85.0      | 78.6      | 88.9                 | 15.9                 | 73.0                 | 25th             | 95.7  | 28.8               | 17th            | 66.9 |
| April     | 94.2  | 96.5      | 104.7     | 107.0                | 25.7                 | 81.3                 | 12th             | 109.6 | 32.1               | 7th & 24th      | 77.5 | 83.7  | 89.5      | 87.4      | 81.7      | 92.1                 | 15.4                 | 76.7                 | 17th             | 95.9  | 22.1               | 8th             | 73.8 |
| May       | 91.4  | 92.4      | 99.8      | 102.6                | 20.7                 | 81.9                 | 12th             | 111.5 | 37.3               | 31st            | 74.2 | 85.7  | 89.7      | 89.8      | 84.1      | 95.1                 | 15.2                 | 79.9                 | 9th              | 106.5 | 36.8               | 14th            | 69.7 |
| June      | 87.8  | 89.5      | 94.1      | 97.9                 | 18.1                 | 79.8                 | 11th             | 103.5 | 27.8               | 1st             | 75.7 | 83.7  | 87.3      | 88.5      | 81.7      | 94.3                 | 16.4                 | 77.9                 | 12th             | 98.9  | 28.6               | 2nd             | 70.3 |
| July      | 84.8  | 85.8      | 91.2      | 94.1                 | 16.8                 | 77.3                 | 24th             | 98.8  | 26.0               | 27th            | 72.8 | 83.1  | 85.7      | 88.5      | 81.3      | 92.2                 | 14.8                 | 77.4                 | 24th             | 96.7  | 24.9               | 4th             | 71.8 |
| August    | 83.5  | 84.5      | 89.3      | 91.5                 | 14.8                 | 76.7                 | 23rd             | 98.2  | 27.1               | 7th             | 71.1 | 82.3  | 85.4      | 86.5      | 79.9      | 91.2                 | 14.0                 | 77.2                 | 31st             | 95.7  | 23.0               | 28th            | 72.7 |
| September | 84.3  | 84.9      | 90.9      | 93.6                 | 16.5                 | 77.1                 | 23rd             | 97.3  | 26.3               | 2nd             | 71.0 | 84.0  | 88.3      | 88.6      | 81.4      | 94.5                 | 16.8                 | 77.7                 | 18th             | 99.4  | 24.9               | 25th            | 74.5 |
| October   | 81.2  | 82.6      | 86.0      | 88.5                 | 13.6                 | 74.9                 | 8th              | 93.2  | 23.8               | 11th            | 69.4 | 80.8  | 84.1      | 85.3      | 79.0      | 88.5                 | 13.0                 | 75.5                 | 1st              | 93.8  | 21.8               | 5th             | 72.0 |
| November  | 78.9  | 81.5      | 84.6      | 88.4                 | 17.8                 | 70.6                 | 15th             | 96.0  | 32.7               | 18th            | 63.3 | 77.8  | 81.9      | 82.1      | 75.8      | 85.6                 | 13.6                 | 72.0                 | 3rd              | 89.2  | 23.6               | 19th            | 65.6 |
| December  | 74.9  | 77.2      | 82.1      | 84.5                 | 19.0                 | 65.5                 | 15th             | 90.2  | 32.8               | 8th             | 57.4 | 75.3  | 78.7      | 79.8      | 73.8      | 83.1                 | 13.2                 | 69.9                 | 14th             | 87.5  | 26.2               | 9th             | 61.3 |
| Year      | 83.8  | 85.7      | 91.4      | 94.5                 | 20.2                 | 74.2                 | ...              | 111.5 | 54.1               | ...             | 57.4 | 80.7  | 84.8      | 85.4      | 78.6      | 89.7                 | 15.3                 | 74.4                 | ...              | 106.5 | 45.2               | ...             | 61.3 |

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

## 110. SALEM (corrected).

## 111. WELLINGTON (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | 22 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM.      |       | Absolute range. | LOWEST MINIMUM.    |      | Mean. | 10 hours. | 16 hours. | 22 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|-----------|----------------------|----------------------|----------------------|-----------------------|-------|-----------------|--------------------|------|-------|-----------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|
|           |       |           |           |           |                      |                      |                      | Day.                  | o     |                 | Day.               | o    |       |           |           |           |                      |                      |                      | Day.             | o    |                 | Day.            | o    |
| January   | 74.8  | 78.9      | 85.7      | 74.5      | 88.7                 | 27.0                 | 61.7                 | 26th                  | 93.7  | 37.8            | 9th & 12th         | 55.9 | 56.3  | 62.5      | 62.9      | 53.3      | 66.5                 | 18.8                 | 47.7                 | 29th             | 69.6 | 30.7            | 10th            | 38.9 |
| February  | 77.9  | 82.0      | 91.2      | 76.8      | 93.4                 | 30.5                 | 62.9                 | 28th                  | 101.3 | 44.5            | 15th               | 56.8 | 59.2  | 66.5      | 67.0      | 56.0      | 71.5                 | 23.6                 | 47.9                 | 28th             | 78.2 | 38.5            | 14th            | 39.7 |
| March     | 83.2  | 85.4      | 96.6      | 81.6      | 99.2                 | 29.0                 | 70.2                 | 28th & 30th           | 102.5 | 38.7            | 18th               | 63.8 | 63.3  | 70.0      | 70.2      | 60.8      | 74.5                 | 21.3                 | 53.2                 | 2nd              | 78.0 | 31.9            | 19th            | 46.1 |
| April     | 87.4  | 89.7      | 99.9      | 86.1      | 103.4                | 28.4                 | 75.0                 | 16th                  | 106.0 | 35.2            | 12th               | 70.8 | 66.5  | 73.1      | 72.8      | 64.2      | 77.5                 | 20.7                 | 56.8                 | 14th             | 80.9 | 28.1            | 10th            | 52.8 |
| May       | 83.4  | 87.2      | 92.5      | 80.4      | 97.1                 | 22.6                 | 74.5                 | 9th                   | 104.5 | 37.8            | 14th               | 66.7 | 65.3  | 70.7      | 69.1      | 63.0      | 74.5                 | 15.4                 | 59.1                 | 4th              | 80.4 | 25.6            | 16th            | 54.8 |
| June      | 81.9  | 85.4      | 90.6      | 79.3      | 94.0                 | 20.7                 | 73.3                 | 25th, 27th<br>& 30th. | 97.5  | 27.7            | 5th                | 69.8 | 63.7  | 68.8      | 67.2      | 61.6      | 72.6                 | 14.7                 | 57.9                 | 7th              | 76.0 | 24.2            | 24th            | 51.8 |
| July      | 80.3  | 83.9      | 87.7      | 78.7      | 91.6                 | 19.9                 | 71.7                 | 1st                   | 96.8  | 29.0            | 30th               | 67.8 | 62.6  | 66.3      | 65.4      | 60.6      | 69.3                 | 10.9                 | 58.4                 | 2nd              | 74.9 | 20.1            | 3rd             | 54.8 |
| August    | 78.8  | 81.7      | 86.2      | 77.5      | 88.9                 | 18.7                 | 70.2                 | 25th                  | 92.4  | 25.7            | 3rd, 4th &<br>6th. | 66.7 | 62.1  | 66.3      | 64.7      | 60.3      | 69.1                 | 11.6                 | 57.5                 | 22nd             | 74.2 | 21.4            | 26th            | 52.8 |
| September | 79.7  | 82.8      | 87.9      | 77.9      | 90.0                 | 19.8                 | 70.2                 | 24th                  | 93.1  | 25.4            | 28th               | 67.7 | 62.3  | 67.4      | 65.6      | 59.9      | 70.8                 | 14.6                 | 56.2                 | 13th             | 74.5 | 26.2            | 19th            | 48.3 |
| October   | 78.6  | 82.8      | 84.8      | 77.4      | 89.3                 | 19.4                 | 69.9                 | 5th                   | 93.2  | 25.9            | 25th               | 67.3 | 61.1  | 66.6      | 65.2      | 58.3      | 70.0                 | 15.0                 | 55.0                 | 6th              | 74.6 | 26.3            | 5th             | 48.3 |
| November  | 76.4  | 81.0      | 84.6      | 75.4      | 87.6                 | 22.2                 | 65.4                 | 13th                  | 91.7  | 34.9            | 19th               | 56.8 | 58.5  | 63.8      | 63.3      | 56.3      | 67.6                 | 16.2                 | 51.4                 | 24th             | 70.5 | 28.5            | 17th            | 42.0 |
| December  | 74.4  | 79.5      | 83.1      | 73.8      | 85.7                 | 22.6                 | 63.1                 | 17th                  | 90.5  | 33.6            | 8th                | 56.9 | 56.2  | 61.9      | 61.4      | 54.2      | 67.0                 | 18.4                 | 48.6                 | 13th             | 70.7 | 33.4            | 24th            | 37.3 |
| Year      | 79.7  | 83.4      | 89.2      | 78.3      | 92.4                 | 23.4                 | 69.0                 | ...                   | 106.0 | 50.1            | ...                | 55.9 | 61.4  | 67.0      | 66.2      | 59.0      | 70.9                 | 16.8                 | 54.1                 | ...              | 80.9 | 43.6            | ...             | 37.3 |

## 112. CALICUT (corrected).

## 113. COIMBATORE (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM.            |      | Absolute range. | LOWEST MINIMUM.     |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|-----------------------------|------|-----------------|---------------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.                        | o    |                 | Day.                | o    |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |
| January   | 81.6  | 80.9      | 83.7      | 84.2                 | 4.8                  | 79.4                 | 17th                        | 87.3 | 11.3            | 2nd & 11th          | 76.0 | 73.7  | 75.3      | 84.1      | 86.2                 | 21.2                 | 65.0                 | 23rd             | 92.1  | 34.7            | 8th             | 57.4 |
| February  | 82.0  | 81.6      | 84.0      | 85.3                 | 5.3                  | 80.0                 | 21st, 22nd,<br>25th & 28th. | 87.3 | 9.8             | 2nd                 | 77.5 | 77.3  | 77.9      | 89.5      | 90.9                 | 25.4                 | 65.5                 | 27th             | 96.4  | 37.9            | 14th            | 58.5 |
| March     | 84.7  | 84.0      | 86.0      | 87.3                 | 4.0                  | 83.3                 | 21st & 22nd                 | 89.1 | 8.1             | 27th                | 81.0 | 81.5  | 82.6      | 94.0      | 96.2                 | 26.4                 | 69.8                 | 29th             | 99.6  | 36.9            | 3rd             | 62.7 |
| April     | 85.8  | 85.4      | 87.0      | 88.0                 | 3.5                  | 84.5                 | 24th                        | 89.5 | 7.5             | 18th & 19th         | 82.0 | 83.9  | 86.7      | 96.2      | 98.6                 | 25.7                 | 72.9                 | 12th             | 101.7 | 34.6            | 9th             | 67.1 |
| May       | 84.2  | 84.0      | 85.5      | 86.7                 | 3.8                  | 82.9                 | 2nd                         | 89.3 | 12.3            | 27th & 28th         | 77.0 | 79.7  | 83.0      | 86.8      | 91.9                 | 18.9                 | 73.0                 | 13th             | 102.0 | 36.9            | 29th            | 65.1 |
| June      | 79.9  | 79.9      | 81.4      | 82.7                 | 4.3                  | 78.4                 | 13th                        | 84.8 | 8.8             | 16th                | 76.0 | 78.0  | 80.8      | 83.6      | 89.7                 | 17.8                 | 71.9                 | 27th             | 92.8  | 23.7            | 18th            | 69.1 |
| July      | 76.8  | 77.2      | 77.6      | 79.1                 | 3.2                  | 75.9                 | 8th                         | 82.8 | 9.3             | 23rd                | 73.5 | 76.3  | 79.2      | 80.9      | 87.2                 | 16.1                 | 71.1                 | 7th              | 92.0  | 23.7            | 23rd            | 68.3 |
| August    | 76.8  | 76.8      | 78.0      | 78.8                 | 3.3                  | 75.5                 | 21st                        | 82.8 | 9.3             | 3rd, 9th &<br>13th. | 73.5 | 76.1  | 78.8      | 81.0      | 86.7                 | 16.1                 | 70.6                 | 26th             | 91.5  | 23.8            | 22nd            | 67.7 |
| September | 79.0  | 78.8      | 80.6      | 81.5                 | 4.1                  | 77.4                 | 27th & 28th                 | 83.8 | 10.3            | 1st                 | 73.5 | 77.3  | 79.8      | 83.5      | 89.0                 | 18.3                 | 70.7                 | 25th             | 92.3  | 23.4            | 17th & 19th     | 68.9 |
| October   | 80.2  | 80.3      | 82.0      | 82.9                 | 4.5                  | 78.4                 | 28th                        | 84.8 | 8.3             | 1st                 | 76.5 | 77.1  | 81.2      | 83.6      | 88.9                 | 18.3                 | 70.6                 | 6th              | 93.0  | 25.1            | 5th & 21st      | 67.9 |
| November  | 80.8  | 81.1      | 83.0      | 83.6                 | 5.1                  | 78.5                 | 29th                        | 85.3 | 9.8             | 11th & 12th         | 75.5 | 75.4  | 78.4      | 82.9      | 86.1                 | 18.3                 | 67.8                 | 13th             | 89.1  | 26.9            | 10th            | 62.2 |
| December  | 79.9  | 79.6      | 82.6      | 83.1                 | 5.9                  | 77.2                 | 1st                         | 85.8 | 12.3            | 9th                 | 73.5 | 74.2  | 75.8      | 82.8      | 85.5                 | 19.6                 | 65.9                 | 13th & 16th      | 89.3  | 30.2            | 21st            | 59.1 |
| Year      | 81.0  | 80.8      | 82.6      | 83.6                 | 4.3                  | 79.3                 | ...                         | 89.5 | 16.0            | ...                 | 73.5 | 77.3  | 80.0      | 85.7      | 89.7                 | 20.2                 | 69.6                 | ...              | 102.0 | 44.6            | ...             | 57.4 |

\* Mean of 30 days.



TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

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## 114. TRICHINOPOLY (corrected).

## 115. NEGAPATAM (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | 22 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | 22 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|
|           |       |           |           |           |                      |                      |                      | Day.             | °     |                 | Day.            | °    |       |           |           |           |                      |                      |                      | Day.             | °    |                 | Day.            | °    |
| January   | 75.8  | 79.3      | 84.0      | 73.5      | 85.7                 | 18.4                 | 67.3                 | 29th             | 90.7  | 28.9            | 8th             | 61.8 | 76.1  | 78.7      | 79.1      | 76.5      | 80.7                 | 10.2                 | 70.5                 | 31st             | 84.0 | 17.5            | 9th & 24th      | 66.5 |
| February  | 78.7  | 82.3      | 89.7      | 76.3      | 91.1                 | 23.6                 | 67.5                 | 26th             | 96.7  | 34.1            | 14th            | 62.6 | 78.1  | 81.5      | 81.6      | 77.9      | 82.4                 | 10.4                 | 72.0                 | 28th             | 85.0 | 17.3            | 3rd             | 67.7 |
| March     | 83.4  | 86.2      | 94.8      | 80.6      | 96.4                 | 23.2                 | 73.2                 | 25th             | 101.7 | 33.5            | 18th            | 68.2 | 82.0  | 85.6      | 85.5      | 80.8      | 86.7                 | 10.2                 | 76.5                 | 25th             | 90.9 | 20.5            | 2nd             | 70.4 |
| April     | 88.7  | 91.1      | 99.9      | 86.7      | 101.5                | 23.8                 | 77.7                 | 17th             | 105.2 | 33.5            | 9th             | 71.7 | 84.9  | 88.3      | 88.4      | 83.6      | 89.4                 | 9.8                  | 79.6                 | 17th             | 95.9 | 20.7            | 8th             | 75.2 |
| May       | 85.9  | 88.3      | 94.6      | 83.8      | 97.2                 | 19.5                 | 77.7                 | 13th             | 105.4 | 34.2            | 1st             | 71.2 | 85.7  | 89.7      | 89.7      | 84.4      | 91.8                 | 12.3                 | 79.5                 | 13th             | 97.9 | 26.3            | 24th            | 71.6 |
| June      | 86.1  | 88.4      | 93.7      | 84.8      | 96.7                 | 18.5                 | 78.2                 | 25th             | 100.9 | 25.7            | 5th             | 75.2 | 84.8  | 88.8      | 89.4      | 83.0      | 91.3                 | 12.8                 | 78.5                 | 21st             | 96.3 | 22.3            | 29th            | 74.0 |
| July      | 83.6  | 86.4      | 90.9      | 81.4      | 93.8                 | 17.4                 | 76.4                 | 1st              | 97.1  | 25.4            | 8th             | 71.7 | 83.5  | 85.7      | 88.7      | 82.3      | 90.2                 | 12.6                 | 77.6                 | 25th             | 96.0 | 21.4            | 3rd             | 74.6 |
| August    | 82.3  | 84.1      | 89.6      | 80.3      | 91.2                 | 15.9                 | 75.3                 | 27th             | 98.0  | 26.4            | 8th             | 71.6 | 81.9  | 83.7      | 86.6      | 81.0      | 87.9                 | 11.6                 | 76.3                 | 5th & 19th       | 92.1 | 18.8            | 8th & 26th      | 73.3 |
| September | 83.0  | 86.0      | 91.0      | 79.6      | 93.9                 | 18.5                 | 75.4                 | 27th             | 96.9  | 23.3            | 5th             | 73.6 | 82.5  | 84.7      | 87.7      | 80.7      | 88.9                 | 12.2                 | 76.7                 | 18th             | 94.1 | 21.2            | 30th            | 72.9 |
| October   | 83.0  | 86.5      | 90.4      | 80.3      | 93.9                 | 18.4                 | 75.5                 | 12th             | 99.3  | 26.7            | 27th            | 72.6 | 81.9  | 84.4      | 86.0      | 80.7      | 89.1                 | 12.3                 | 76.8                 | 9th              | 92.7 | 18.6            | 12th & 18th     | 74.1 |
| November  | 78.4  | 81.8      | 84.4      | 76.5      | 87.1                 | 15.6                 | 71.5                 | 12th             | 91.1  | 25.4            | 19th            | 65.7 | 79.2  | 81.7      | 81.5      | 79.3      | 84.0                 | 9.5                  | 74.5                 | 12th             | 88.8 | 19.1            | 19th            | 69.7 |
| December  | 75.8  | 79.6      | 82.3      | 73.8      | 84.8                 | 16.1                 | 68.7                 | 31st             | 88.0  | 25.6            | 22nd & 23rd.    | 62.4 | 76.7  | 78.7      | 79.3      | 76.8      | 81.3                 | 8.7                  | 72.6                 | 14th             | 83.8 | 21.7            | 9th             | 62.1 |
| Year      | 82.1  | 85.0      | 90.4      | 79.8      | 92.8                 | 19.1                 | 73.7                 | ...              | 105.4 | 43.6            | ...             | 61.8 | 81.4  | 84.3      | 85.3      | 80.6      | 87.0                 | 11.1                 | 75.9                 | ...              | 97.9 | 35.8            | ...             | 62.1 |

## 116. MADURA (corrected).

## 117. COCHIN (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | 22 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | °     |                 | Day.            | °    |       |           |           |           |                      |                      |                      | Day.             | °    |                 | Day.            | °    |
| January   | 76.2  | 78.9      | 83.6      | 83.6                 | 15.1                 | 68.5                 | 27th             | 88.5  | 25.8            | 9th             | 62.7 | 80.0  | 83.4      | 85.7      | 78.1      | 87.9                 | 14.3                 | 73.6                 | 6th & 7th        | 90.7 | 23.1            | 3rd             | 67.6 |
| February  | 79.1  | 82.0      | 88.3      | 88.8                 | 20.0                 | 68.8                 | 26th             | 95.1  | 30.4            | 24th            | 64.7 | 80.6  | 84.7      | 86.5      | 77.6      | 89.7                 | 15.4                 | 74.3                 | 23rd             | 92.8 | 25.3            | 14th            | 67.5 |
| March     | 84.2  | 85.7      | 94.9      | 95.7                 | 22.0                 | 73.7                 | 25th             | 101.8 | 32.6            | 2nd & 18th      | 69.2 | 83.8  | 87.0      | 88.2      | 82.4      | 90.9                 | 12.8                 | 78.1                 | 31st             | 92.9 | 17.6            | 10th            | 75.3 |
| April     | 87.5  | 89.1      | 98.2      | 100.4                | 23.5                 | 76.9                 | 18th             | 104.0 | 30.6            | 10th            | 73.4 | 85.0  | 87.6      | 89.2      | 83.5      | 91.5                 | 11.3                 | 80.2                 | 16th             | 93.7 | 19.7            | 30th            | 74.0 |
| May       | 85.0  | 89.0      | 93.1      | 96.9                 | 19.3                 | 77.6                 | 12th             | 102.4 | 31.8            | 4th             | 70.6 | 82.1  | 84.6      | 85.8      | 80.9      | 88.2                 | 10.6                 | 77.6                 | 2nd, 5th & 9th.  | 90.6 | 16.8            | 27th            | 73.8 |
| June      | 84.9  | 90.4      | 92.5      | 98.2                 | 21.0                 | 77.2                 | 23rd             | 102.2 | 28.6            | 16th            | 73.6 | 79.5  | 81.2      | 82.5      | 78.9      | 85.2                 | 9.5                  | 75.7                 | 7th              | 88.0 | 17.1            | 16th            | 70.9 |
| July      | 82.3  | 86.5      | 88.2      | 93.0                 | 17.1                 | 75.9                 | 3rd & 25th       | 97.9  | 25.9            | 1st             | 72.0 | 77.1  | 79.3      | 79.0      | 76.2      | 83.0                 | 8.6                  | 74.4                 | 7th              | 86.6 | 15.2            | 23rd            | 71.4 |
| August    | 81.8  | 85.8      | 88.2      | 92.4                 | 17.4                 | 75.0                 | 24th             | 97.8  | 25.7            | 19th            | 72.1 | 76.9  | 78.5      | 79.0      | 76.0      | 81.3                 | 6.8                  | 74.5                 | 26th             | 85.1 | 14.2            | 8th             | 70.9 |
| September | 81.9  | 85.4      | 88.5      | 92.3                 | 17.6                 | 74.7                 | 19th             | 96.4  | 26.4            | 4th             | 70.0 | 78.4  | 80.2      | 81.1      | 77.3      | 83.8                 | 8.8                  | 75.0                 | 25th             | 86.6 | 13.8            | 6th & 7th       | 72.8 |
| October   | 81.4  | 85.6      | 87.3      | 91.8                 | 17.0                 | 74.8                 | 19th             | 96.0  | 25.0            | 30th            | 71.0 | 78.8  | 81.0      | 82.2      | 77.4      | 85.6                 | 10.4                 | 75.2                 | 25th             | 87.7 | 18.8            | 18th            | 68.9 |
| November  | 78.7  | 82.1      | 84.0      | 87.2                 | 15.2                 | 72.0                 | 12th             | 91.2  | 22.6            | 23rd            | 68.6 | 79.4  | 82.5      | 83.4      | 77.8      | 86.5                 | 12.1                 | 74.4                 | 26th             | 90.2 | 18.4            | 28th            | 71.8 |
| December  | 76.8  | 80.8      | 82.7      | 86.5                 | 16.9                 | 69.6                 | 13th             | 90.1  | 25.9            | 21st            | 64.2 | 78.5  | 82.6      | 84.3      | 76.2      | 88.4                 | 16.2                 | 72.2                 | 31st             | 91.4 | 25.6            | 22nd            | 65.8 |
| Year      | 81.7  | 85.1      | 89.1      | 92.2                 | 18.5                 | 73.7                 | ...              | 104.0 | 41.3            | ...             | 62.7 | 80.0  | 82.7      | 83.9      | 78.5      | 86.8                 | 11.4                 | 75.4                 | ...              | 93.7 | 27.9            | ...             | 65.8 |

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

118. COLOMBO (*corrected*).119. JAFFNA (*corrected*).

| MONTH.      | Mean. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM.     |      | Mean. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      |
|-------------|-------|----------------------|----------------------|----------------------|------------------|------|-----------------|---------------------|------|-------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|
|             |       |                      |                      |                      | Day.             | o    |                 | Day.                | o    |       |                      |                      |                      | Day.             | o    |                 | Day.            | o    |
| January .   | 79.8  | 86.6                 | 13.6                 | 73.0                 | 7th              | 90.2 | 21.2            | 3rd                 | 69.0 | 78.0  | 83.9                 | 11.9                 | 72.0                 | 28th             | 88.5 | 21.5            | 2nd             | 67.0 |
| February .  | 81.0  | 89.7                 | 17.4                 | 72.3                 | 24th             | 93.0 | 26.0            | 4th                 | 67.0 | 79.4  | 87.6                 | 16.5                 | 71.1                 | 26th & 27th      | 90.5 | 23.9            | 3rd             | 66.6 |
| March .     | 83.0  | 90.7                 | 15.4                 | 75.3                 | 14th             | 94.8 | 22.0            | 22nd                | 72.8 | 84.0  | 92.7                 | 17.4                 | 75.3                 | 31st             | 96.3 | 27.0            | 17th            | 69.3 |
| April .     | 82.4  | 89.0                 | 13.3                 | 75.7                 | 5th & 8th        | 91.0 | 18.2            | 25th                | 72.8 | 87.2  | 94.8                 | 15.3                 | 79.5                 | 6th              | 98.0 | 25.2            | 8th             | 72.8 |
| May .       | 82.7  | 87.0                 | 8.6                  | 78.4                 | 13th             | 90.8 | 16.0            | 5th & 20th          | 74.8 | 86.2  | 91.9                 | 11.4                 | 80.5                 | 3rd              | 97.4 | 22.9            | 31st            | 74.5 |
| June .      | 82.1  | 85.8                 | 7.5                  | 78.3                 | 22nd             | 88.4 | 15.1            | 16th                | 73.3 | 84.4  | 88.8                 | 8.8                  | 80.0                 | 28th             | 94.0 | 18.7            | 21st            | 75.3 |
| July .      | 80.9  | 84.9                 | 8.1                  | 76.8                 | 5th              | 87.2 | 14.4            | 23rd                | 72.8 | 83.5  | 88.5                 | 10.0                 | 78.5                 | 5th & 6th        | 92.0 | 18.4            | 1st             | 73.6 |
| August .    | 79.9  | 83.6                 | 7.5                  | 76.1                 | 24th             | 85.7 | 12.6            | 2nd, 8th &<br>14th. | 73.1 | 82.0  | 86.7                 | 9.4                  | 77.3                 | 28th             | 92.0 | 19.0            | 4th             | 73.0 |
| September . | 80.5  | 84.7                 | 8.5                  | 76.2                 | 21st             | 86.8 | 15.5            | 6th                 | 71.3 | 83.1  | 88.0                 | 9.9                  | 78.1                 | 2nd              | 93.4 | 20.4            | 28th            | 73.0 |
| October .   | 80.8  | 85.5                 | 9.4                  | 76.1                 | 19th             | 87.7 | 15.9            | 26th                | 71.8 | 82.8  | 87.7                 | 9.9                  | 77.8                 | 19th             | 93.3 | 20.8            | 23rd & 24th     | 72.5 |
| November .  | 80.2  | 86.6                 | 12.8                 | 73.8                 | 27th & 28th      | 92.0 | 20.4            | 26th                | 71.6 | 79.5  | 85.6                 | 12.3                 | 73.3                 | 14th & 23rd      | 88.3 | 21.3            | 18th            | 67.0 |
| December .  | 78.9  | 86.0                 | 14.2                 | 71.8                 | 26th             | 90.0 | 22.0            | 27th                | 68.0 | 77.1  | 83.1                 | 12.1                 | 71.0                 | 2nd & 16th       | 85.7 | 22.2            | 9th             | 63.5 |
| Year .      | 81.0  | 86.7                 | 11.4                 | 75.3                 | ...              | 94.8 | 27.8            | ...                 | 67.0 | 82.3  | 88.3                 | 12.1                 | 76.2                 | ...              | 98.9 | 34.5            | ...             | 63.5 |

120. TRINCOMALEE (*corrected*).121. BATTICALOA (*corrected*).

| MONTH.      | Mean. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM.          |      | Absolute range. | LOWEST MINIMUM. |      |
|-------------|-------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|----------------------|----------------------|----------------------|---------------------------|------|-----------------|-----------------|------|
|             |       |                      |                      |                      | Day.             | o     |                 | Day.            | o    |       |                      |                      |                      | Day.                      | o    |                 | Day.            | o    |
| January .   | 79.1  | 83.7                 | 9.2                  | 74.5                 | 30th             | 88.3  | 17.7            | 3rd             | 70.6 | 78.8  | 83.9                 | 10.3                 | 73.6                 | 4th                       | 86.0 | 15.4            | 30th & 31st     | 70.6 |
| February .  | 80.9  | 85.8                 | 9.9                  | 75.9                 | 27th             | 92.1  | 23.8            | 3rd             | 68.3 | 79.0  | 84.9                 | 11.9                 | 73.0                 | 27th                      | 86.7 | 21.5            | 3rd             | 65.2 |
| March .     | 84.1  | 91.8                 | 15.5                 | 76.3                 | 25th             | 98.5  | 27.0            | 1st             | 71.5 | 81.8  | 88.9                 | 14.2                 | 74.7                 | 27th                      | 94.0 | 22.2            | 19th            | 71.8 |
| April .     | 85.9  | 95.0                 | 18.3                 | 76.7                 | 19th             | 97.7  | 24.7            | 17th            | 73.0 | 83.8  | 92.0                 | 16.4                 | 75.6                 | 21st & 25th               | 95.0 | 21.8            | 17th            | 73.2 |
| May .       | 86.7  | 95.8                 | 18.2                 | 77.6                 | 10th             | 101.4 | 29.6            | 24th            | 71.8 | 84.7  | 92.7                 | 16.0                 | 76.7                 | 6th, 7th, 28th<br>& 29th. | 95.0 | 23.0            | 24th            | 72.0 |
| June .      | 86.5  | 95.6                 | 18.2                 | 77.4                 | 26th             | 99.7  | 25.5            | 29th            | 74.2 | 83.8  | 91.9                 | 16.2                 | 75.7                 | 20th                      | 96.0 | 23.3            | 30th            | 72.7 |
| July .      | 85.0  | 93.6                 | 17.3                 | 76.3                 | 26th             | 97.4  | 24.6            | 3rd             | 72.8 | 83.8  | 92.4                 | 17.3                 | 75.1                 | 19th                      | 95.6 | 23.0            | 6th             | 72.6 |
| August .    | 83.5  | 91.9                 | 16.8                 | 75.1                 | 24th             | 98.5  | 27.1            | 8th             | 71.4 | 82.8  | 91.0                 | 16.4                 | 74.6                 | 20th                      | 96.0 | 24.8            | 3rd & 8th       | 71.2 |
| September . | 84.2  | 93.0                 | 17.6                 | 75.4                 | 17th             | 98.7  | 26.8            | 6th             | 71.9 | 82.7  | 90.5                 | 15.6                 | 74.9                 | 13th & 16th               | 94.0 | 22.8            | 5th             | 71.2 |
| October .   | 84.6  | 93.6                 | 18.0                 | 75.6                 | 18th             | 98.0  | 26.1            | 31st            | 71.9 | 82.6  | 90.7                 | 16.2                 | 74.5                 | 9th                       | 96.6 | 25.2            | 27th            | 71.4 |
| November .  | 80.4  | 86.4                 | 12.0                 | 74.4                 | 10th             | 93.0  | 21.9            | 19th            | 71.1 | 79.5  | 86.7                 | 14.4                 | 72.3                 | 9th                       | 90.0 | 20.8            | 10th            | 69.2 |
| December .  | 78.5  | 83.2                 | 9.5                  | 73.7                 | 10th             | 89.9  | 24.3            | 9th             | 65.6 | 76.6  | 82.4                 | 11.6                 | 70.8                 | 13th                      | 85.2 | 20.0            | 9th             | 65.2 |
| Year .      | 83.3  | 90.8                 | 15.0                 | 75.7                 | ...              | 101.4 | 35.8            | ...             | 65.6 | 81.7  | 89.0                 | 14.7                 | 74.3                 | ...                       | 96.6 | 31.4            | ...             | 65.2 |

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

91

122. HAMBANTOTA (*corrected*).123. GALLE (*corrected*).

| MONTH.      | Mean. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |                    | Absolute range. | LOWEST MINIMUM.                          |      | Mean. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      |
|-------------|-------|----------------------|----------------------|----------------------|------------------|--------------------|-----------------|------------------------------------------|------|-------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|
|             |       |                      |                      |                      | Day.             | o                  |                 | Day.                                     | o    |       |                      |                      |                      | Day.             | o    |                 | Day.            | o    |
| January .   | 77.6  | 82.2                 | 9.2                  | 73.0                 | 5th & 19th       | 86.0               | 16.9            | 31st                                     | 69.1 | 78.4  | 82.0                 | 7.3                  | 74.7                 | 6th              | 84.8 | 12.2            | 3rd             | 72.6 |
| February .  | 77.9  | 83.5                 | 11.3                 | 72.2                 | 16th & 24th      | 86.0               | 19.9            | 4th                                      | 66.1 | 79.9  | 84.7                 | 9.6                  | 75.1                 | 24th             | 89.8 | 17.3            | 12th            | 72.5 |
| March .     | ?     | Not re-<br>corded.   | ?                    | 74.0                 | ...              | Not re-<br>corded. | ?               | 1st to 4th,<br>16th & 17th.              | 72.1 | 82.3  | 87.0                 | 9.5                  | 77.5                 | 19th             | 90.8 | 16.1            | 5th             | 74.7 |
| April .     | 80.6  | 86.4                 | 11.7                 | 74.7                 | 3rd              | 89.0               | 15.9            | 8th, 11th,<br>13th & 18th.<br>7th & 25th | 73.1 | 81.6  | 85.6                 | 8.0                  | 77.6                 | 9th              | 88.1 | 12.2            | 11th            | 75.9 |
| May .       | ?     | Not re-<br>corded.   | ?                    | 77.1                 | ...              | Not re-<br>corded. | ?               | 16th                                     | 73.1 | 81.3  | 83.9                 | 5.2                  | 78.7                 | 12th             | 87.0 | 12.1            | 19th & 20th     | 74.9 |
| June .      | ?     |                      | ?                    | 75.6                 | ...              |                    | ?               | 28th & 31st                              | 72.1 | 81.4  | 83.8                 | 4.8                  | 79.0                 | 29th             | 85.1 | 9.2             | 16th            | 75.9 |
| July .      | ?     |                      | ?                    | 74.5                 | ...              |                    | ?               | 8th                                      | 71.1 | 79.3  | 81.8                 | 5.1                  | 76.7                 | 5th              | 84.3 | 10.5            | 28th            | 73.8 |
| August .    | ?     |                      | ?                    | 73.7                 | ...              |                    | ?               | 4th & 6th                                | 72.1 | 79.5  | 81.5                 | 4.1                  | 77.4                 | 30th             | 83.9 | 9.9             | 8th             | 74.0 |
| September . | ?     |                      | ?                    | 74.5                 | ...              |                    | ?               | 16th & 30th                              | 72.1 | 79.5  | 81.9                 | 4.9                  | 77.0                 | 2nd & 20th       | 84.0 | 11.1            | 6th             | 72.9 |
| October .   | ?     | Not re-<br>corded.   | ?                    | 74.1                 | ...              | Not re-<br>corded. | ?               | 4th & 12th                               | 71.1 | 79.6  | 82.3                 | 5.4                  | 76.9                 | 19th             | 83.7 | 9.8             | 29th            | 73.9 |
| November .  | ?     |                      | ?                    | 73.1                 | ...              |                    | ?               | 8th, 9th, 15th<br>& 22nd.                | 70.1 | 79.0  | 82.2                 | 6.4                  | 75.8                 | 25th             | 84.2 | 10.3            | 21st            | 73.9 |
| December .  | 77.8  | 83.3                 | 11.1                 | 72.2                 | 23rd             | 86.0               | 15.9            | ...                                      | 66.1 | 77.7  | 81.3                 | 7.3                  | 74.0                 | 27th             | 84.2 | 12.9            | 22nd            | 71.3 |
| Year .      | ?     | ?                    | ?                    | ?                    | ...              | ?                  | ?               | ...                                      | 66.1 | 80.0  | 83.2                 | 6.5                  | 76.7                 | ...              | 90.8 | 19.5            | ...             | 71.3 |

124. KANDY (*corrected*).125. NEWERA ELIYA (*corrected*).

| MONTH.      | Mean.         | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      | Mean. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      |
|-------------|---------------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|-------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|
|             |               |                      |                      |                      | Day.             | o    |                 | Day.            | o    |       |                      |                      |                      | Day.             | o    |                 | Day.            | o    |
| January .   | 75.6          | 84.3                 | 17.5                 | 66.8                 | 23rd             | 88.0 | 27.8            | 31st            | 60.2 | 58.4  | 67.3                 | 17.9                 | 49.4                 | 28th             | 71.5 | 31.5            | 3rd             | 40.0 |
| February .  | 75.6          | 86.8                 | 22.4                 | 64.4                 | 27th             | 90.3 | 36.3            | 3rd             | 54.0 | 57.4  | 68.7                 | 22.7                 | 46.0                 | 16th             | 72.7 | 37.2            | 11th            | 35.5 |
| March .     | 78.3          | 90.7                 | 24.8                 | 65.9                 | 28th             | 94.6 | 36.6            | 1st             | 58.0 | 60.4  | 72.7                 | 24.7                 | 48.0                 | 7th              | 76.6 | 36.6            | 1st & 12th      | 40.0 |
| April .     | 78.9          | 90.7                 | 23.7                 | 67.0                 | 21st             | 94.4 | 30.8            | 12th            | 63.6 | 59.9  | 72.1                 | 24.4                 | 47.7                 | 4th              | 75.4 | 35.4            | 8th             | 40.0 |
| May .       | 78.4          | 88.1                 | 19.4                 | 68.7                 | 12th             | 93.0 | 28.0            | 24th            | 65.0 | 61.4  | 70.2                 | 17.7                 | 52.5                 | 10th             | 76.4 | 29.1            | 13th            | 47.3 |
| June .      | 77.0          | 85.3                 | 16.6                 | 68.7                 | 24th             | 91.5 | 26.3            | 24th            | 65.2 | 59.8  | 66.4                 | 13.2                 | 53.2                 | 29th             | 73.6 | 24.4            | 27th            | 49.2 |
| July .      | Not recorded. |                      |                      |                      |                  |      |                 |                 |      | 58.4  | 64.4                 | 12.1                 | 52.3                 | 4th              | 72.8 | 24.2            | 6th             | 48.6 |
| August .    | 75.0          | 82.1                 | 14.2                 | 67.9                 | 24th             | 87.0 | 22.8            | 22nd            | 64.2 | 58.1  | 64.6                 | 13.0                 | 51.6                 | 23rd             | 73.8 | 28.5            | 24th            | 45.3 |
| September . | 76.2          | 84.1                 | 15.9                 | 68.2                 | 19th             | 89.4 | 25.4            | 19th            | 64.0 | 57.4  | 62.7                 | 10.7                 | 52.0                 | 20th             | 74.3 | 27.5            | 19th            | 46.8 |
| October .   | 75.7          | 83.8                 | 16.2                 | 67.6                 | 24th             | 88.6 | 27.6            | 16th            | 61.0 | 58.8  | 65.8                 | 14.1                 | 51.7                 | 19th             | 71.8 | 24.0            | 19th            | 47.8 |
| November .  | 75.8          | 85.0                 | 18.5                 | 66.5                 | 22nd             | 87.8 | 25.6            | 10th            | 62.2 | 58.3  | 66.4                 | 16.3                 | 50.1                 | 1st & 24th       | 69.7 | 28.7            | 25th            | 41.0 |
| December .  | 74.2          | 83.0                 | 17.7                 | 65.3                 | 14th & 16th      | 87.4 | 26.9            | 9th & 11th      | 60.5 | 55.9  | 64.8                 | 17.9                 | 46.9                 | 29th             | 68.8 | 34.0            | 22nd            | 34.8 |
| Year .      | ?             | ?                    | ?                    | ?                    | ...              | ?    | ?               | ...             | 54.0 | 58.7  | 67.2                 | 17.1                 | 50.1                 | ...              | 76.6 | 41.8            | ...             | 34.8 |

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

126. MANDALAY (corrected).

127. AKYAB (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM.      |      | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|-----------------------|------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o    |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.                  | o    |                 | Day.            | o    |
| January   |       |           |           |                      |                      |                      |                  |      |                 |                 |      | 70°0  | 70°9      | 77°6      | 80°7                 | 19°7                 | 61°0                 | 27th & 29th           | 84°7 | 27°6            | 30th            | 57°1 |
| February  |       |           |           |                      |                      |                      |                  |      |                 |                 |      | 72°3  | 74°0      | 80°2      | 83°8                 | 23°2                 | 60°6                 | 18th                  | 89°5 | 36°9            | 7th             | 52°6 |
| March     |       |           |           |                      |                      |                      |                  |      |                 |                 |      | 79°5  | 82°1*     | 84°8*     | 88°7*                | 19°4                 | 69°3*                | 10th                  | 93°2 | 31°1            | 15th            | 62°1 |
| April     |       |           |           |                      |                      |                      |                  |      |                 |                 |      | 83°8  | 86°6      | 86°7      | 90°3                 | 14°0                 | 76°3                 | 30th                  | 94°1 | 24°5            | 8th             | 69°6 |
| May       |       |           |           |                      |                      |                      |                  |      |                 |                 |      | 85°5  | 87°8†     | 88°1†     | 91°6†                | 12°7                 | 78°9†                | 24th                  | 95°5 | 19°4            | 8th & 9th       | 76°1 |
| June      |       |           |           |                      |                      |                      |                  |      |                 |                 |      | 82°2  | 82°3      | 83°0      | 85°9‡                | 6°4                  | 79°5                 | 13th                  | 91°2 | 14°1            | 7th & 28th      | 77°1 |
| July      |       |           |           |                      |                      |                      |                  |      |                 |                 |      | 81°4  | 81°4      | 81°7      | 86°1*                | 7°5                  | 78°6§                | 11th, 14th &<br>15th. | 89°2 | 13°1            | 10th            | 76°1 |
| August    |       |           |           |                      |                      |                      |                  |      |                 |                 |      | 80°9  | 81°1      | 81°8      | 83°9                 | 5°7                  | 78°2                 | 15th                  | 87°0 | 11°4            | 13th            | 75°6 |
| September |       |           |           |                      |                      |                      |                  |      |                 |                 |      | 82°8  | 83°2      | 84°4†     | 86°6†                | 7°1                  | 79°5†                | 26th                  | 90°9 | 14°3            | 7th             | 76°6 |
| October   |       |           |           |                      |                      |                      |                  |      |                 |                 |      | 83°5  | 84°5      | 86°8      | 89°1                 | 10°6                 | 78°5                 | 13th                  | 92°0 | 17°0            | 20th            | 75°0 |
| November  | 75°0  | 77°4      | 81°7      | 84°1                 | 15°8                 | 68°3                 | 2nd              | 87°5 | 25°8            | 26th            | 61°7 | 78°5  | 79°7†     | 81°9      | 85°1                 | 11°7                 | 73°4                 | 2nd & 4th             | 88°5 | 21°3            | 18th            | 67°2 |
| December  | 71°5  | 73°3      | 81°3      | 84°0                 | 22°3                 | 61°7                 | 15th             | 87°5 | 30°0            | 26th            | 57°5 | 72°5  | 73°8      | 78°2      | 81°6                 | 17°1                 | 64°5                 | 2nd                   | 85°5 | 26°8            | 18th            | 58°7 |
| Year      | P     | P         | P         | P                    | P                    | P                    | ...              | P    | P               | ...             | P    | 79°4  | 80°6      | 82°9      | 86°1                 | 12°9                 | 73°2                 | ...                   | 95°5 | 42°9            | ...             | 52°6 |

\* Mean of 30 days.

§ Mean of 23 days.

† " " 29 "

|| " " 26 "

‡ " " 27 "

128. THAYETMYO (corrected).

129. TOUNGOO (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       |      | Absolute range.       | LOWEST MINIMUM. |      |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      |              | Absolute range. | LOWEST MINIMUM. |   |  |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|------|-----------------------|-----------------|------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|--------------|-----------------|-----------------|---|--|
|           |       |           |           |                      |                      |                      | Day.             | o     |      |                       | Day.            | o    |      |       |           |           |                      |                      |                      | Day.             | o    |              |                 | Day.            | o |  |
| January   | 68.5  | 73.3      | 83.1      | 84.3                 | 30.4                 | 53.9                 | 27th             | 89.6  | 40.8 |                       | 30th            | 48.8 | 69.3 | 71.6  | 81.1      | 83.3      | 25.8                 | 57.5                 | 27th                 | 86.7             | 35.1 | 2nd          | 51.6            |                 |   |  |
| February  | 73.0  | 77.6      | 90.7      | 92.6                 | 37.4                 | 55.2                 | 28th             | 100.2 | 54.1 |                       | 7th             | 46.1 | 73.0 | 75.9  | 85.5      | 87.4      | 27.0                 | 60.4                 | 28th                 | 93.3             | 38.2 | 15th to 17th | 55.1            |                 |   |  |
| March     | 82.3  | 88.9      | 97.9      | 100.5                | 33.8                 | 66.7                 | 20th             | 103.7 | 42.5 |                       | 1st             | 61.2 | 82.3 | 85.4  | 94.7      | 96.1      | 26.2                 | 69.9                 | 18th                 | 99.7             | 36.0 | 2nd          | 63.7            |                 |   |  |
| April     | 87.5  | 92.8      | 101.2     | 104.4                | 30.6                 | 73.8                 | 16th             | 107.9 | 42.0 |                       | 7th             | 65.9 | 86.8 | 88.7  | 98.4      | 100.3     | 25.1                 | 75.2                 | 28th                 | 102.5            | 34.8 | 7th          | 67.7            |                 |   |  |
| May       | 86.4  | 92.3      | 94.0      | 99.9                 | 21.2                 | 78.7                 | 18th             | 104.9 | 29.5 |                       | 8th             | 75.4 | 83.3 | 86.8  | 89.6      | 94.4      | 17.4                 | 77.0                 | 3rd                  | 100.7            | 28.5 | 3rd          | 72.2            |                 |   |  |
| June      | 80.5  | 85.1      | 84.5      | 89.7                 | 13.2                 | 76.5                 | 12th             | 93.7  | 18.8 | 15th                  | 74.9            | 79.5 | 82.1 | 83.0  | 87.2      | 11.3      | 75.9                 | 12th                 | 90.5                 | 16.4             | 17th | 74.1         |                 |                 |   |  |
| July      | 80.2  | 85.3      | 84.2      | 89.4                 | 13.2                 | 76.2                 | 14th             | 94.5  | 19.8 | 10th, 22nd<br>& 23rd. | 74.7            | 78.2 | 80.9 | 81.2  | 85.1      | 9.9       | 75.2                 | 13th & 14th          | 90.3                 | 17.3             | 22nd | 73.0         |                 |                 |   |  |
| August    | 79.3  | 83.7      | 82.5      | 88.5                 | 12.4                 | 76.1                 | 27th             | 91.6  | 18.8 | 11th                  | 72.8            | 78.2 | 80.8 | 81.3  | 85.3      | 10.3      | 75.0                 | 15th                 | 89.7                 | 16.5             | 9th  | 73.2         |                 |                 |   |  |
| September | 81.2  | 85.0      | 86.4      | 90.1                 | 14.2                 | 75.9                 | 24th & 25th      | 92.7  | 20.0 | 29th                  | 72.7            | 80.1 | 82.5 | 84.0  | 88.0      | 11.8      | 76.2                 | 24th & 25th          | 90.2                 | 16.0             | 1st  | 74.2         |                 |                 |   |  |
| October   | 81.4  | 85.0      | 88.0      | 90.7                 | 16.0                 | 74.7                 | 13th             | 93.9  | 23.1 | 31st                  | 70.8            | 80.6 | 82.9 | 85.9  | 89.1      | 13.9      | 75.2                 | 13th & 14th          | 91.7                 | 19.6             | 31st | 72.1         |                 |                 |   |  |
| November  | 74.6  | 77.9      | 81.7      | 83.3                 | 15.9                 | 67.4                 | 14th             | 87.2  | 29.6 | 27th                  | 57.6            | 75.7 | 76.7 | 81.4  | 83.6      | 13.6      | 70.0                 | 4th                  | 87.6                 | 25.9             | 28th | 61.7         |                 |                 |   |  |
| December  | 69.6  | 74.5      | 81.9      | 83.0                 | 25.7                 | 57.3                 | 15th             | 86.0  | 33.4 | 23rd, 24th<br>& 31st. | 52.6            | 71.0 | 72.5 | 80.2  | 82.1      | 20.3      | 61.8                 | 15th                 | 85.8                 | 27.8             | 31st | 58.0         |                 |                 |   |  |
| Year.     | 78.7  | 83.5      | 88.0      | 91.4                 | 22.0                 | 69.4                 | ...              | 107.9 | 61.8 | ...                   | 46.1            | 78.2 | 80.6 | 85.5  | 88.5      | 17.7      | 70.8                 | ...                  | 102.5                | 50.9             | ...  | 51.6         |                 |                 |   |  |

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

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130. BASSEIN (corrected).

131. DIAMOND ISLAND (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      | Mean.      | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|------------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o    |                 | Day.            | o    |            |           |           |                      |                      |                      | Day.             | o    |                 | Day.            | o    |
| January   | 71.9  | 76.4      | 81.8      | 84.0                 | 22.1                 | 61.9                 | 28th             | 88.4 | 30.2            | 10th            | 58.2 | 74.8       | 77.4*     | 79.4*     | 82.5*                | 12.3                 | 70.2*                | 26th             | 87.0 | 19.4            | 14th            | 67.6 |
| February  | 74.4  | 78.5      | 84.4      | 86.9                 | 22.6                 | 64.3                 | 28th             | 91.5 | 33.9            | 16th            | 57.6 | 75.6       | 78.5      | 80.1†     | 82.7†                | 11.7                 | 71.0                 | 18th             | 87.6 | 19.5            | 15th            | 68.1 |
| March     | 80.0  | 84.4      | 89.9      | 93.5                 | 23.4                 | 70.1                 | 11th             | 97.1 | 33.1            | 1st             | 64.0 | 78.4       | 81.6      | 82.6*     | 85.4*                | 11.2                 | 74.2                 | 9th              | 88.4 | 17.8            | 1st             | 70.6 |
| April     | 83.1  | 88.6      | 91.6      | 95.9                 | 21.3                 | 74.6                 | 8th              | 98.9 | 28.2            | 8th             | 70.7 | 81.1       | 84.7      | 85.0      | 87.4                 | 10.2                 | 77.2                 | 30th             | 90.1 | 15.1            | 5th             | 75.0 |
| May       | 81.7  | 86.3      | 86.2      | 91.4                 | 14.2                 | 77.2                 | 2nd              | 97.3 | 22.6            | 6th             | 74.7 | Imperfect. |           |           |                      |                      |                      |                  |      |                 |                 |      |
| June      | 78.7  | 82.2      | 81.0      | 84.7                 | 8.3                  | 76.4                 | 27th             | 90.2 | 15.8            | 29th            | 74.4 | 78.1       | 81.3      | 81.7      | 85.5†                | 11.1                 | 74.4                 | 26th             | 87.9 | 23.8            | 18th            | 64.1 |
| July      | 78.1  | 82.1      | 80.2      | 85.0                 | 9.1                  | 75.9                 | 3rd              | 89.4 | 15.6            | 10th            | 73.8 | 77.5       | 81.9      | 81.5      | 84.9                 | 11.4                 | 73.5                 | 6th              | 88.3 | 18.2            | 10th            | 70.1 |
| August    | 78.3  | 81.0      | 80.6      | 84.2                 | 8.3                  | 75.9                 | 9th              | 87.5 | 13.7            | 2nd             | 73.8 | 78.2       | 81.1      | 81.3      | 84.4                 | 9.4                  | 75.0                 | 10th & 15th      | 87.1 | 15.8            | 27th            | 71.3 |
| September | 78.5  | 82.2      | 81.1      | 85.6                 | 9.7                  | 75.9                 | 25th             | 88.6 | 14.0            | 14th            | 74.6 | 78.3       | 81.9      | 81.2      | 84.4                 | 9.0                  | 75.4                 | 5th & 6th        | 88.2 | 15.4            | 19th            | 72.8 |
| October   | 79.0  | 83.0      | 83.2      | 87.2                 | 12.5                 | 74.7                 | 28th             | 89.9 | 17.4            | 29th            | 72.5 | 79.4       | 83.3*     | 82.9*     | 86.2*                | 10.3                 | 75.9*                | 29th             | 89.2 | 15.2            | 9th             | 74.0 |
| November  | 76.5  | 79.6      | 81.6      | 83.3                 | 12.0                 | 71.3                 | 14th             | 87.6 | 20.5            | 26th            | 67.1 | 77.3       | 79.6      | 81.2      | 83.8                 | 10.5                 | 73.3                 | 14th             | 86.9 | 16.8            | 10th            | 70.1 |
| December  | 73.2  | 77.3      | 81.5      | 83.5                 | 18.6                 | 64.9                 | 14th             | 86.3 | 26.8            | 12th            | 59.5 | 75.5       | 77.9      | 80.1      | 83.3                 | 12.5                 | 70.8                 | 2nd              | 86.4 | 18.3            | 12th            | 68.1 |
| Year      | 77.8  | 81.8      | 83.6      | 87.1                 | 15.2                 | 71.9                 | ...              | 98.9 | 41.3            | ...             | 57.6 | ?          | ?         | ?         | ?                    | ?                    | ?                    | ...              | ?    | ?               | ...             | ?    |

\* Mean of 30 days.

† " " 27 "

‡ " " 29 "

132. RANGOON (corrected).

133. MOULMEIN (corrected).

| MONTH.    | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |       | Absolute range. | LOWEST MINIMUM. |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM. |      |
|-----------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|-------|-----------------|-----------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------|------|
|           |       |           |           |                      |                      |                      | Day.             | o     |                 | Day.            | o    |       |           |           |                      |                      |                      | Day.             | o    |                 | Day.            | o    |
| January   | 74.5  | 76.1      | 85.3      | 88.1                 | 24.5                 | 63.6                 | 28th             | 90.7  | 30.9            | 30th            | 59.8 | 74.3  | 76.9      | 85.1      | 86.9                 | 23.5                 | 63.4                 | 28th             | 89.9 | 31.7            | 5th             | 58.2 |
| February  | 76.5  | 78.0      | 87.8      | 90.7                 | 25.5                 | 65.2                 | 28th             | 96.5  | 37.3            | 15th & 16th     | 59.2 | 77.8  | 81.6      | 88.8      | 91.4                 | 24.6                 | 66.8                 | 21st             | 94.9 | 34.9            | 11th            | 60.0 |
| March     | 81.4  | 83.7      | 92.2      | 97.3                 | 26.7                 | 70.6                 | 12th             | 100.0 | 34.4            | 2nd             | 65.6 | 81.9  | 86.7      | 91.6      | 94.9                 | 22.7                 | 72.2                 | 13th             | 98.0 | 31.3            | 2nd             | 66.7 |
| April     | 84.9  | 86.9      | 94.9      | 100.1                | 25.3                 | 74.8                 | 15th             | 104.1 | 33.2            | 8th             | 70.9 | 84.3  | 89.9      | 92.6      | 96.0                 | 20.0                 | 76.0                 | 29th             | 98.1 | 25.1            | 7th             | 73.0 |
| May       | 81.7  | 85.0      | 85.9      | 90.4                 | 12.9                 | 77.5                 | 3rd              | 99.7  | 24.8            | 14th            | 74.9 | 81.1  | 83.3      | 86.6      | 89.6                 | 14.1                 | 75.5                 | 1st              | 94.7 | 21.6            | 1st             | 73.1 |
| June      | 78.9  | 81.1      | 81.0      | 85.7                 | 8.9                  | 76.8                 | 27th             | 90.1  | 15.8            | 5th             | 74.3 | 77.8  | 80.8      | 81.2      | 84.1                 | 9.7                  | 74.4                 | 19th             | 87.9 | 15.4            | 14th            | 72.5 |
| July      | 78.5  | 81.7      | 80.7      | 86.0                 | 9.7                  | 76.3                 | 31st             | 88.8  | 15.0            | 10th            | 73.8 | 77.4  | 79.7      | 80.9      | 83.5                 | 9.6                  | 73.9                 | 4th              | 87.9 | 16.4            | 7th             | 71.5 |
| August    | 78.1  | 80.5      | 80.0      | 84.9                 | 8.7                  | 76.2                 | 8th              | 88.3  | 14.2            | 18th & 31st     | 74.1 | 77.5  | 79.6      | 80.8      | 83.2                 | 9.0                  | 74.2                 | 7th              | 87.7 | 15.6            | 18th            | 72.1 |
| September | 79.1  | 81.7      | 81.4      | 86.7                 | 9.9                  | 76.8                 | 4th              | 90.0  | 14.9            | 26th            | 75.1 | 78.8  | 81.5      | 83.0      | 85.8                 | 11.2                 | 74.6                 | 28th & 30th      | 89.9 | 16.7            | 9th & 11th      | 73.2 |
| October   | 80.6  | 82.2      | 85.3      | 87.8                 | 11.9                 | 75.9                 | 28th             | 90.8  | 17.1            | 30th            | 73.7 | 80.5  | 84.0      | 86.1      | 89.3                 | 14.5                 | 74.8                 | 29th             | 91.4 | 20.8            | 20th            | 70.6 |
| November  | 77.7  | 79.5      | 82.2      | 85.6                 | 12.5                 | 73.1                 | 14th             | 87.9  | 18.1            | 30th            | 69.8 | 77.6  | 82.4      | 85.0      | 87.5                 | 17.3                 | 70.2                 | 15th             | 90.9 | 28.1            | 25th            | 62.8 |
| December  | 73.8  | 77.7      | 82.1      | 85.6                 | 20.2                 | 65.4                 | 6th              | 87.7  | 26.7            | 30th            | 61.0 | 73.1  | 78.6      | 83.4      | 85.9                 | 23.2                 | 62.2*                | 5th              | 91.1 | 33.3            | 25th            | 57.8 |
| Year      | 78.8  | 81.2      | 84.9      | 89.1                 | 16.4                 | 72.7                 | ...              | 104.1 | 44.9            | ...             | 59.2 | 78.5  | 82.1      | 85.4      | 88.2                 | 16.6                 | 71.6                 | ...              | 98.1 | 40.3            | ...             | 57.8 |

\* Mean of 30 days.

TABLE V.—MEAN AND EXTREME AIR-TEMPERATURES IN THE SHADE IN 1886.

## 134. MERGUI (corrected).

## 135. COCOS ISLAND (corrected).

| MONTH.      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      |          | LOWEST MINIMUM. |      |                                 | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      |             | Absolute range. | LOWEST MINIMUM. |      |   |  |
|-------------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|----------|-----------------|------|---------------------------------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-------------|-----------------|-----------------|------|---|--|
|             |       |           |           |                      |                      |                      | Day.             | o    | Absolute | Day.            | o    | Day.                            |       |           |           |                      |                      |                      | o                | Day. | o           |                 | Absolute        | Day. | o |  |
| January .   | 75.5  | 81.7      | 85.0      | 87.6                 | 21.6                 | 66.0                 | 16th             | 93.0 | 33.6     | 5th             | 59.4 | Observatory opened in May 1886. |       |           |           |                      |                      |                      |                  |      |             |                 |                 |      |   |  |
| February .  | 79.7  | 84.1      | 87.0      | 89.4                 | 17.1                 | 72.3                 | 21st &<br>28th.  | 92.0 | 26.3     | 1st             | 65.7 |                                 |       |           |           |                      |                      |                      |                  |      |             |                 |                 |      |   |  |
| March .     | 81.1  | 85.7      | 89.5      | 91.8                 | 19.1                 | 72.7                 | 29th             | 95.0 | 27.0     | 24th            | 68.0 |                                 |       |           |           |                      |                      |                      |                  |      |             |                 |                 |      |   |  |
| April .     | 82.0  | 89.0      | 89.9      | 93.3                 | 19.2                 | 74.1                 | 27th             | 96.0 | 24.6     | 28th            | 71.4 |                                 |       |           |           |                      |                      |                      |                  |      |             |                 |                 |      |   |  |
| May .       | 78.5  | 85.2      | 83.4      | 89.1                 | 15.5                 | 73.6                 | 23rd             | 93.3 | 21.9     | 1st             | 71.4 | 85.4                            | 85.7  | 86.5      | 87.6      | 3.3                  | 84.3                 | 3rd                  | 90.4             | 10.5 | 7th         | 79.9            |                 |      |   |  |
| June .      | 76.7  | 80.9      | 80.3      | 84.5                 | 11.4                 | 73.1                 | 6th              | 89.1 | 18.4     | 15th            | 70.7 | 80.7                            | 81.4  | 81.7      | 82.6      | 3.0                  | 79.6                 | 16th to 18th         | 84.0             | 6.9  | 9th         | 77.1            |                 |      |   |  |
| July .      | 77.0  | 80.0      | 81.1      | 84.3                 | 11.4                 | 72.9                 | 2nd              | 89.1 | 18.7     | 21st            | 70.4 | 79.9                            | 80.5  | 81.0      | 81.8      | 3.0                  | 78.8                 | 6th                  | 84.9             | 8.2  | 28th        | 76.7            |                 |      |   |  |
| August .    | 76.8  | 81.4      | 80.7      | 85.5                 | 12.6                 | 72.9                 | 8th              | 91.0 | 20.0     | 13th            | 71.0 | 80.1                            | 80.6  | 81.1      | 81.8      | 2.7                  | 79.1                 | 11th                 | 83.9             | 7.2  | 28th        | 76.7            |                 |      |   |  |
| September . | 76.3  | 79.9      | 80.0      | 83.8                 | 11.2                 | 72.6                 | 2nd              | 89.1 | 19.6     | 9th             | 69.5 | 79.9                            | 80.4  | 81.0      | 81.8      | 3.1                  | 78.7                 | 24th & 25th          | 84.9             | 7.9  | 15th & 16th | 77.0            |                 |      |   |  |
| October .   | 76.5  | 81.0      | 80.1      | 85.8                 | 12.9                 | 72.9                 | 31st             | 89.1 | 19.6     | 5th             | 69.5 | 81.5                            | 82.0  | 82.7*     | 83.6      | 3.3                  | 80.3                 | 29th                 | 86.4             | 8.4  | 2nd         | 78.0            |                 |      |   |  |
| November .  | 76.1  | 81.6      | 82.0      | 85.9                 | 15.7                 | 70.2                 | 5th              | 89.3 | 23.8     | 24th            | 65.5 | 79.6                            | 80.1  | 80.4      | 81.0      | 2.3                  | 78.7                 | 1st                  | 85.7             | 9.2  | 9th         | 76.5            |                 |      |   |  |
| December .  | 72.3  | 79.0      | 82.3      | 85.0                 | 22.7                 | 62.3                 | 5th              | 89.1 | 33.7     | 22nd            | 55.4 | 79.2                            | 79.6  | 80.1      | 80.6      | 2.4                  | 78.2                 | 15th                 | 82.4             | 6.1  | 12th        | 76.3            |                 |      |   |  |
| Year .      | 77.4  | 82.5      | 83.4      | 87.2                 | 15.9                 | 71.3                 | ...              | 96.0 | 40.6     | ...             | 55.4 | ?                               | ?     | ?         | ?         | ?                    | ?                    | ...                  | ?                | ?    | ...         | ?               |                 |      |   |  |

\* Mean of 30 days.

## 136. PORT BLAIR (corrected).

## 137. NANCOWRY (corrected).

| MONTH.      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM. |      | Absolute range. | LOWEST MINIMUM.       |      | Mean. | 10 hours. | 16 hours. | Mean of Maxi-<br>ma. | Mean daily<br>range. | Mean of Mini-<br>ma. | HIGHEST MAXIMUM.      |      | Absolute range. | LOWEST MINIMUM. |      |
|-------------|-------|-----------|-----------|----------------------|----------------------|----------------------|------------------|------|-----------------|-----------------------|------|-------|-----------|-----------|----------------------|----------------------|----------------------|-----------------------|------|-----------------|-----------------|------|
|             |       |           |           |                      |                      |                      | Day.             | o    |                 | Day.                  | o    |       |           |           |                      |                      |                      | Day.                  | o    |                 | Day.            | o    |
| January .   | 79.9  | 81.7      | 84.4      | 87.2                 | 11.8                 | 75.4                 | 16th             | 88.8 | 16.9            | 7th                   | 71.9 | 79.8  | 83.2      | 82.7      | 85.6                 | 8.7                  | 76.9                 | 28th                  | 87.2 | 12.8            | 28th            | 74.4 |
| February .  | 80.2  | 82.7      | 85.6      | 87.9                 | 13.1                 | 74.8                 | 21st             | 90.5 | 20.0            | 10th                  | 70.5 | 81.0  | 84.8      | 84.2      | 86.7                 | 8.9                  | 77.8                 | 2nd & 28th            | 87.8 | 13.3            | 14th            | 74.5 |
| March .     | 82.7  | 84.9      | 88.6      | 91.3                 | 14.6                 | 76.7                 | 30th             | 95.9 | 23.6            | 15th                  | 72.3 | 82.5  | 86.6      | 86.0      | 88.9                 | 9.9                  | 79.0                 | 28th, 29th &<br>31st. | 90.2 | 13.8            | 16th            | 76.4 |
| April .     | 84.5  | 86.7      | 90.4      | 93.7                 | 15.1                 | 78.6                 | 21st &<br>25th.  | 95.6 | 22.3            | 15th                  | 73.3 | 83.5  | 88.4      | 87.8      | 91.4                 | 12.2                 | 79.2                 | 28th                  | 94.3 | 16.3            | 5th             | 78.0 |
| May .       | 82.0  | 84.9      | 85.2      | 89.7                 | 11.0                 | 78.7                 | 3rd              | 94.7 | 20.0            | 9th                   | 74.7 | 81.4  | 85.7      | 84.8      | 89.5                 | 11.5                 | 78.0                 | 6th                   | 93.3 | 19.3            | 29th to 31st    | 74.0 |
| June .      | 80.2  | 82.8      | 82.8      | 86.3                 | 8.8                  | 77.5                 | 2nd              | 89.0 | 14.3            | 19th &<br>20th.       | 74.7 | 80.5  | 85.1      | 84.0      | 88.7                 | 11.7                 | 77.0                 | 4th to 6th            | 92.2 | 19.4            | 19th            | 72.8 |
| July .      | 79.7  | 81.8      | 83.1      | 86.0                 | 9.7                  | 76.3                 | 5th              | 90.0 | 18.1            | 23rd                  | 71.9 | 80.4  | 85.3      | 84.0      | 87.6                 | 10.9                 | 76.7                 | 4th                   | 90.4 | 17.4            | 23rd            | 73.0 |
| August .    | 80.0  | 82.4      | 82.9      | 85.9                 | 8.8                  | 77.1                 | 7th              | 89.5 | 15.6            | 14th                  | 73.9 | 80.2  | 84.8      | 83.9      | 87.9                 | 11.4                 | 76.5                 | 17th                  | 91.6 | 18.6            | 31st            | 73.0 |
| September . | 80.0  | 82.6      | 82.9      | 86.2                 | 9.1                  | 77.1                 | 5th              | 90.6 | 16.7            | 30th                  | 73.9 | 79.2  | 83.9*     | 82.5*     | 86.5*                | 10.7                 | 75.8*                | 20th                  | 89.8 | 16.4            | 6th & 26th      | 73.4 |
| October .   | 79.5  | 82.1      | 82.8      | 86.1                 | 9.9                  | 76.2                 | 27th             | 90.0 | 16.1            | 1st & 10th            | 73.9 | 79.0  | 83.3      | 82.3      | 85.2                 | 9.6                  | 75.6                 | 5th & 18th            | 87.8 | 15.4            | 3rd             | 72.4 |
| November .  | 79.3  | 81.5      | 82.1      | 84.9                 | 8.4                  | 76.5                 | 1st              | 90.5 | 19.1            | 19th                  | 71.4 | 78.2  | 82.3      | 81.2      | 85.3                 | 10.1                 | 75.2                 | 20th                  | 89.0 | 16.4            | 29th            | 72.6 |
| December .  | 78.6  | 81.7      | 82.0      | 85.2                 | 10.0                 | 75.2                 | 2nd              | 87.4 | 17.5            | 13th, 14th<br>& 23rd. | 69.9 | 77.9  | 81.8      | 80.8      | 83.7                 | 8.7                  | 75.0                 | 16th                  | 85.4 | 13.2            | 13th            | 72.2 |
| Year .      | 80.6  | 83.0      | 84.4      | 87.5                 | 10.9                 | 76.7                 | ...              | 95.9 | 26.0            | ...                   | 69.9 | 80.3  | 84.6      | 83.7      | 87.3                 | 10.4                 | 76.9                 | ...                   | 94.3 | 22.1            | ...             | 72.2 |

\* Mean of 29 days.

TABLE VI.—SEA-LEVEL EQUIVALENTS OF MONTHLY MEAN AIR-TEMPERATURES IN 1886.  
(113 STATIONS).

| STATIONS.                    | January. | February. | March. | April.                     | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------------------|----------|-----------|--------|----------------------------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Aden . . . . .               | 75·8     | 75·7      | 78·7   | 82·7                       | 84·3 | ?     | 88·2  | 85·6    | 85·5       | 82·5     | 78·2      | 75·1      | ?     |
| Bushire . . . . .            | 57·7     | 59·8      | 62·2   | 72·2                       | 81·5 | 86·5  | 88·8  | 89·3    | 86·2       | 76·4     | 69·3      | 60·6      | 74·2  |
| Amini Divi . . . . .         | 79·6     | 80·3      | 82·2   | Not re-<br>ceived.<br>81·0 | ?    | 83·1  | 79·8  | 79·5    | 79·8       | 81·7     | 80·3      | 79·6      | ?     |
| Mooltan . . . . .            | 56·7     | 57·8      | 69·5   |                            | 90·9 | 94·0  | 93·0  | 92·1    | 89·6       | 79·8     | 67·8      | 58·4      | 77·6  |
| Dera Ismail Khan . . . . .   | 54·7     | 55·9      | 67·4   | 78·2                       | 89·1 | 94·0  | 92·4  | 92·8    | 90·3       | 78·9     | 66·0      | 57·6      | 76·4  |
| Peshawar . . . . .           | 52·2     | 52·0      | 63·7   | 71·3                       | 84·4 | 91·8  | 93·7  | 90·5    | 85·4       | 75·5     | 63·0      | 54·5      | 73·2  |
| Rawalpindi . . . . .         | 52·6     | 52·1      | 64·1   | 74·3                       | 83·8 | 89·8  | ?     | 87·7    | 85·5       | 75·1     | 62·6      | 53·9      | ?     |
| Sialkot . . . . .            | 54·8     | 56·2      | 66·5   | 79·9                       | 88·0 | 91·2  | 87·1  | 86·3    | 87·3       | 77·9     | 65·5      | 56·7      | 74·8  |
| Lahore . . . . .             | 54·9     | 56·7      | 68·0   | 81·1                       | 88·9 | 92·2  | 88·3  | 88·7    | 88·6       | 77·4     | 66·1      | 57·6      | 75·7  |
| Ludhiana . . . . .           | 55·8     | 57·6      | 68·6   | 81·3                       | 87·7 | 91·7  | 87·8  | 87·6    | 87·8       | 77·1     | 66·2      | 58·3      | 75·6  |
| Delhi . . . . .              | 60·9     | 62·9      | 73·6   | 87·0                       | 90·5 | 91·8  | 86·5  | 85·4    | 87·3       | 80·4     | 70·9      | 63·3      | 78·4  |
| Sirsa . . . . .              | 57·6     | 59·7      | 71·5   | 84·2                       | 91·2 | 92·7  | 89·3  | 89·1    | 90·5       | 80·5     | 68·4      | 60·5      | 77·9  |
| Dehra . . . . .              | 58·4     | 60·0      | 69·0   | 80·7                       | 83·8 | 88·1  | 84·3  | 82·5    | 82·3       | 75·6     | 67·1      | 61·7      | 74·5  |
| Roorkee . . . . .            | 58·5     | 60·0      | 71·6   | 83·6                       | 87·0 | 90·8  | 86·5  | 85·1    | 85·2       | 77·7     | 67·1      | 60·0      | 76·1  |
| Meerut . . . . .             | 58·9     | 61·6      | 72·6   | 84·5                       | 88·1 | 89·7  | 86·8  | 85·4    | 85·1       | 78·2     | 67·6      | 60·9      | 76·6  |
| Bareilly . . . . .           | 59·0     | 61·2      | 73·1   | 83·0                       | 86·5 | 88·4  | 84·7  | 84·6    | 84·0       | 78·5     | 68·8      | 61·1      | 76·1  |
| Agra . . . . .               | 63·5     | 65·8      | 78·1   | 90·2                       | 94·5 | 92·8  | 87·1  | 86·0    | 86·9       | 83·3     | 73·9      | 65·5      | 80·6  |
| Lucknow . . . . .            | 62·1     | 65·1      | 77·0   | 86·9                       | 89·9 | 90·4  | 84·9  | 84·9    | 84·8       | 79·7     | 70·7      | 63·5      | 78·3  |
| Gorakhpur . . . . .          | 60·8     | 63·4      | 77·4   | 85·7                       | 86·7 | 89·2  | 84·2  | 84·5    | 84·2       | 79·4     | 70·5      | 63·2      | 77·4  |
| Jhansi . . . . .             | 65·0     | 67·4      | 80·0   | 90·6                       | 96·0 | 93·1  | 84·4  | 84·5    | 85·5       | 81·1     | 74·8      | 67·2      | 80·8  |
| Allahabad . . . . .          | 61·0     | 64·4      | 77·0   | 87·2                       | 92·0 | 91·2  | 84·1  | 84·0    | 83·3       | 80·0     | 70·8      | 62·4      | 78·1  |
| Benares . . . . .            | 62·1     | 65·8      | 77·5   | 87·0                       | 90·8 | 91·1  | 83·5  | 84·0    | 82·8       | 80·2     | 71·1      | 63·0      | 78·2  |
| Ghazipur . . . . .           | 62·8     | 66·4      | ?      | 86·8                       | 89·1 | 89·6  | 83·7  | 83·5    | 82·6       | 79·9     | 70·5      | 63·4      | ?     |
| Sibsagar . . . . .           | 60·7     | 64·2      | 70·9   | 74·6                       | 80·3 | 84·9  | 84·3  | 83·4    | 81·8       | 79·4     | 68·6      | 63·0      | 74·7  |
| Tezpur . . . . .             | ?        | ?         | ?      | ?                          | ?    | ?     | ?     | 79·7    | 78·3       | 77·0     | 67·4      | 62·1      | ?     |
| Dhubri . . . . .             | 63·5     | 65·5      | 75·9   | 79·5                       | 79·1 | 81·3  | 82·0  | 81·4    | 79·9       | 80·2     | 71·5      | 65·7      | 75·5  |
| Silchar . . . . .            | 64·1     | 65·8      | 73·4   | 77·6                       | 80·8 | 83·1  | 82·0  | 81·6    | 81·5       | 82·4     | 74·5      | 67·4      | 76·2  |
| Purneah . . . . .            | ?        | ?         | ?      | ?                          | ?    | ?     | 84·6  | 83·4    | 81·4       | 81·1     | 71·7      | 64·7      | ?     |
| Durbhunga . . . . .          | 62·5     | 64·4      | 76·8   | 84·4                       | 84·5 | 87·1  | 85·0  | 83·5    | 82·5       | 81·1     | 73·1      | 66·0      | 77·6  |
| Patna . . . . .              | 62·1     | 65·2      | 78·2   | 87·2                       | 87·6 | 89·9  | 84·2  | 83·7    | 82·7       | 81·5     | 73·2      | 65·2      | 78·4  |
| Gya . . . . .                | 64·0     | 68·1      | 78·1   | 88·9                       | 90·1 | 89·6  | 83·5  | ?       | ?          | ?        | ?         | ?         | ?     |
| Hazaribagh . . . . .         | 64·9     | 68·4      | 78·7   | 88·7                       | 88·1 | 87·0  | 82·4  | 82·2    | 80·8       | 79·2     | 72·7      | 66·2      | 78·3  |
| Berhampore . . . . .         | 64·8     | 67·5      | 77·5   | 84·0                       | 82·2 | 83·6  | 82·2  | 82·1    | 81·6       | 81·4     | 73·8      | 67·2      | 77·3  |
| Burdwan . . . . .            | 65·9     | 68·7      | 78·1   | 85·4                       | 83·5 | 84·3  | 82·7  | 82·8    | 81·7       | 82·2     | 74·0      | 67·8      | 78·1  |
| Jessore . . . . .            | 65·5     | 68·4      | 77·8   | 83·9                       | 82·4 | 83·8  | 82·8  | 81·7    | 81·3       | 81·9     | 74·8      | 68·2      | 77·7  |
| Dacca . . . . .              | 66·9     | 69·5      | 77·6   | 82·3                       | 82·1 | 83·1  | 82·6  | 82·1    | 82·7       | 83·1     | 76·1      | 69·9      | 78·2  |
| Chittagong . . . . .         | 66·4     | 69·2      | 76·0   | 80·5                       | 81·7 | 80·9  | 80·7  | 79·7    | 80·9       | 81·0     | 75·0      | 68·5      | 76·7  |
| Calcutta (Alipore) . . . . . | 65·1     | 68·2      | 78·0   | 85·2                       | 84·8 | 85·1  | 82·9  | 82·7    | 82·2       | 81·6     | 74·2      | 67·1      | 78·1  |

TABLE VI.—SEA-LEVEL EQUIVALENTS OF MONTHLY MEAN AIR-TEMPERATURES IN 1886.

| STATIONS.                               | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|-----------------------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Calcutta ( <i>Chowringhee</i> ) . . . . | 66.6     | 70.2      | 78.6   | 85.0   | 84.0 | 84.3  | 82.3  | 82.4    | 81.9       | 82.2     | 75.0      | 68.3      | 78.4  |
| Saugor Island . . . . .                 | 67.3     | 70.7      | 79.3   | 83.7   | 85.5 | 85.1  | 83.6  | 83.1    | 83.0       | 81.7     | 75.3      | 68.6      | 78.9  |
| Cuttack . . . . .                       | 71.0     | 74.8      | 82.0   | 87.6   | 87.3 | 84.7  | 83.2  | 83.4    | 82.6       | 81.9     | 77.1      | 70.3      | 80.5  |
| False Point . . . . .                   | 70.3     | 70.7      | 77.6   | 82.2   | 83.4 | 83.3  | 81.6  | 82.2    | 81.6       | 81.5     | 75.0      | 67.8      | 78.1  |
| Sambalpur . . . . .                     | 68.1     | 73.4      | 81.1   | 90.0   | 92.3 | 85.5  | 81.6  | 82.1    | 82.1       | 81.7     | 74.7      | 68.1      | 80.1  |
| Raipur . . . . .                        | 68.3     | 74.1      | 82.2   | 91.1   | 92.8 | 88.1  | ?     | 82.4    | 82.7       | 81.1     | 73.7      | 68.8      | ?     |
| Nagpur . . . . .                        | 69.3     | 75.5      | 83.0   | 90.8   | 94.6 | 85.9  | 82.2  | 82.3    | 84.6       | 80.8     | 75.5      | 69.9      | 81.2  |
| Seoni . . . . .                         | 67.6     | 72.3      | 80.3   | 88.2   | 92.0 | 84.1  | 80.8  | 80.7    | 81.9       | 79.3     | 72.5      | 66.9      | 78.9  |
| Jubbulpore . . . . .                    | 64.7     | 67.9      | 77.9   | 86.3   | 92.0 | 86.5  | 81.3  | 81.5    | 82.7       | 78.8     | 70.9      | 64.1      | 77.9  |
| Saugor . . . . .                        | 67.0     | 68.7      | 80.3   | 88.6   | 95.0 | 88.8  | 81.2  | 81.0    | 82.5       | 79.0     | 73.4      | 67.5      | 79.4  |
| Hoshangabad . . . . .                   | 67.3     | 69.7      | 80.8   | 88.3   | 95.9 | 86.8  | 80.8  | 80.7    | 83.2       | 80.7     | 73.6      | 66.1      | 79.5  |
| Khandwa . . . . .                       | 68.6     | 72.2      | 82.3   | 89.7   | 95.3 | 86.0  | 81.6  | 80.7    | 82.5       | 80.5     | 74.0      | 67.1      | 80.0  |
| Chanda . . . . .                        | 68.5     | 75.1      | 82.6   | 90.3   | 93.4 | 85.2  | 81.2  | 81.9    | 83.2       | 81.1     | 74.6      | 68.6      | 80.5  |
| Sironcha . . . . .                      | 71.5     | 78.4      | 86.1   | 93.3   | 95.0 | 86.2  | 80.5  | 81.2    | 83.4       | 81.4     | 77.3      | ?         | ?     |
| Buldana . . . . .                       | 71.5     | 78.1      | 84.9   | 92.3   | 93.6 | 83.6  | 80.2  | 79.5    | 82.0       | 79.7     | 77.0      | 72.0      | 81.2  |
| Akola . . . . .                         | 68.5     | 74.7      | 82.7   | 90.0   | 95.8 | 86.2  | 81.5  | 81.5    | 83.3       | 81.3     | 75.3      | 68.9      | 80.8  |
| Amraoti . . . . .                       | 70.8     | 76.8      | 84.4   | 91.8   | 95.1 | 84.9  | 80.8  | 80.8    | 82.3       | 80.9     | 76.0      | 71.3      | 81.3  |
| Neemuch . . . . .                       | 66.1     | 68.0      | 79.0   | 88.3   | 94.8 | 89.3  | 82.2  | 80.4    | 81.7       | 80.8     | 74.4      | 66.9      | 79.3  |
| Nowgong . . . . .                       | 62.7     | 64.4      | 77.2   | 86.3   | 91.5 | 89.9  | 83.0  | 83.1    | 83.6       | 79.0     | 69.6      | 63.3      | 77.8  |
| Sutna . . . . .                         | 62.6     | 65.6      | 76.4   | 86.1   | 92.2 | 90.4  | 82.7  | 82.5    | 82.1       | 79.8     | 70.8      | 64.2      | 78.0  |
| Indore . . . . .                        | 67.2     | 69.4      | 79.3   | 86.4   | 92.3 | 83.8  | 79.9  | 78.9    | 81.0       | 79.2     | 72.9      | 67.2      | 78.1  |
| Bickaneer . . . . .                     | 63.6     | 64.6      | 77.8   | 90.3   | 96.4 | 95.0  | 91.1  | 89.7    | 90.2       | 86.7     | 75.7      | 66.1      | 82.3  |
| Jeypore . . . . .                       | 64.3     | 66.4      | 78.2   | 89.1   | 95.0 | 92.2  | 85.8  | 84.8    | 85.3       | 83.9     | 74.8      | 66.6      | 80.5  |
| Sambhar . . . . .                       | 61.3     | 63.1      | 75.5   | 86.7   | 93.6 | 90.6  | 85.3  | 83.8    | 84.3       | 81.0     | 69.8      | 61.0      | 78.0  |
| Ajmere . . . . .                        | 61.6     | 64.6      | 76.8   | 88.7   | 95.3 | 90.7  | 86.0  | 83.9    | 85.3       | 82.9     | 72.0      | 63.9      | 79.3  |
| Pachpadra . . . . .                     | 61.8     | 63.5      | 76.0   | 87.3   | 96.2 | 92.8  | 87.3  | 84.7    | 84.2       | 85.0     | 72.9      | 63.2      | 79.6  |
| Jacobabad . . . . .                     | 57.8     | 59.2      | 72.3   | 85.5   | 95.7 | 98.3  | 94.2  | 92.6    | 89.1       | 79.1     | 68.0      | 60.0      | 79.3  |
| Hyderabad . . . . .                     | 61.9     | 65.2      | 76.4   | 86.7   | 93.9 | 92.0  | 88.0  | 85.2    | 84.2       | 85.0     | 73.8      | 64.5      | 79.7  |
| Kurrachee . . . . .                     | 65.0     | 67.5      | 75.0   | 79.9   | 87.4 | 88.1  | 84.6  | 81.6    | 80.8       | 82.4     | 74.3      | 67.2      | 77.8  |
| Bhuj . . . . .                          | 65.7     | 69.7      | 78.4   | 85.1   | 90.2 | 87.8  | 82.1  | 81.3    | 82.2       | 85.6     | 77.8      | 68.3      | 79.5  |
| Rajkot . . . . .                        | 66.4     | ?         | ?      | ?      | 91.3 | 86.9  | 82.3  | 83.4    | 82.9       | 85.4     | 78.1      | 68.0      | ?     |
| Deesa . . . . .                         | 67.7     | 71.7      | 81.7   | 89.8   | 96.1 | 91.5  | 83.4  | 81.6    | 83.1       | 84.7     | 78.1      | 70.0      | 81.6  |
| Surat . . . . .                         | 69.1     | 72.6      | 79.0   | 83.5   | 86.8 | 84.7  | 80.5  | 80.3    | 81.9       | 80.7     | 76.1      | 70.6      | 78.8  |
| Malegaon . . . . .                      | 69.8     | 74.6      | 81.4   | 87.6   | 90.4 | 83.4  | 80.5  | 79.5    | 81.0       | 79.3     | 74.9      | 68.6      | 79.3  |
| Bombay . . . . .                        | 73.4     | 73.7      | 79.0   | 81.8   | 85.0 | 83.3  | 80.7  | 80.6    | 80.7       | 80.5     | 79.6      | 75.6      | 79.5  |
| Poona . . . . .                         | 75.0     | 82.2      | 86.6   | 90.2   | 89.4 | 83.3  | 79.8  | 80.0    | 80.8       | 81.8     | 80.4      | 75.2      | 82.1  |
| Sholapur . . . . .                      | 74.3     | 80.4      | 86.6   | 92.2   | 91.5 | 84.4  | 81.2  | 80.4    | 82.4       | 80.0     | 77.7      | 73.3      | 82.0  |
| Ratnagiri . . . . .                     | 73.5     | 74.8      | 79.2   | 81.5   | 84.5 | 80.3  | 78.2  | 77.7    | 78.7       | 78.5     | 77.7      | 75.5      | 78.3  |
| Belgaum . . . . .                       | 76.2     | 82.3      | 85.0   | 87.3   | 84.0 | 79.0  | 76.4  | 76.1    | 77.9       | 78.2     | 78.7      | 75.9      | 79.8  |
| Karwar . . . . .                        | 74.3     | 75.6      | 79.3   | 82.1   | 83.2 | 79.5  | 76.2  | 76.5    | 77.5       | 77.0     | 76.0      | 75.2      | 77.7  |



TABLE VI.—SEA-LEVEL EQUIVALENTS OF MONTHLY MEAN AIR-TEMPERATURES IN 1886.

| STATIONS.                | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| Gopalpur . . . . .       | 69'9     | 74'0      | 78'9   | 80'4   | 83'2 | 84'2  | 82'2  | 83'2    | 83'2       | 81'5     | 76'3      | 70'8      | 79'0  |
| Vizagapatam . . . . .    | 74'4     | 78'6      | 83'5   | 86'0   | 87'0 | 86'5  | 85'2  | 84'9    | 86'1       | 82'8     | 79'9      | 74'7      | 82'5  |
| Rajahmundry . . . . .    | 74'7     | 79'6      | 84'0   | 88'7   | 88'6 | 85'1  | 81'8  | 82'8    | 84'7       | 80'2     | 78'9      | 74'2      | 81'9  |
| Masulipatam . . . . .    | 72'9     | ?         | ?      | ?      | 86'7 | 84'5  | 82'8  | 81'7    | 83'5       | 80'2     | 79'1      | 74'1      | ?     |
| Secunderabad . . . . .   | 73'4     | 79'7      | 86'0   | 91'9   | 91'0 | 84'3  | 80'4  | 80'8    | 83'3       | 81'0     | 77'3      | 72'6      | 81'8  |
| Kurnool . . . . .        | 76'1     | 81'1      | 88'7   | 94'5   | 93'1 | 86'4  | 83'3  | 82'3    | 84'7       | 82'0     | 80'0      | 75'1      | 83'9  |
| Bellary . . . . .        | 76'0     | 80'9      | 88'3   | 93'2   | 91'5 | 85'5  | 84'0  | 83'0    | 84'6       | 81'9     | 79'6      | 74'7      | 83'6  |
| Mangalore . . . . .      | 76'8     | 78'3      | 81'9   | 84'6   | 83'1 | 79'2  | 76'2  | 76'2    | 77'3       | 77'9     | 77'8      | 77'0      | 78'9  |
| Mercara . . . . .        | 73'4     | 76'9      | 80'3   | 81'4   | 78'3 | 74'3  | 72'7  | 72'3    | 73'6       | 73'4     | 73'3      | 72'2      | 75'2  |
| Bangalore . . . . .      | 74'4     | 78'2      | 83'1   | 86'7   | 83'8 | 80'1  | 78'5  | 78'3    | 79'3       | 78'5     | 76'2      | 73'3      | 79'2  |
| Cuddapah . . . . .       | 76'9     | 81'5      | 89'3   | 95'2   | 92'4 | 88'8  | 85'8  | 84'5    | 85'3       | 82'2     | 79'9      | 75'9      | 84'8  |
| Madras . . . . .         | 74'5     | 76'6      | 80'4   | 83'7   | 85'7 | 83'7  | 83'1  | 82'3    | 84'0       | 80'8     | 77'8      | 75'3      | 80'7  |
| Salem . . . . .          | 76'9     | 80'0      | 85'3   | 89'5   | 85'5 | 84'0  | 82'4  | 80'9    | 81'8       | 80'7     | 78'5      | 76'5      | 81'8  |
| Calicut . . . . .        | 81'7     | 82'1      | 84'8   | 85'9   | 84'3 | 80'0  | 76'9  | 76'9    | 79'1       | 80'3     | 80'9      | 80'0      | 81'1  |
| Coimbatore . . . . .     | 76'7     | 80'3      | 84'5   | 86'9   | 82'7 | 81'0  | 79'3  | 79'1    | 80'3       | 80'1     | 78'4      | 77'2      | 80'5  |
| Trichinopoly . . . . .   | 76'4     | 79'3      | 84'0   | 89'3   | 86'5 | 86'7  | 84'2  | 82'9    | 83'6       | 83'6     | 79'0      | 76'4      | 82'7  |
| Negapatam . . . . .      | 76'1     | 78'1      | 82'0   | 84'9   | 85'7 | 84'8  | 83'5  | 81'9    | 82'5       | 81'9     | 79'2      | 76'7      | 81'4  |
| Madura . . . . .         | 77'2     | 80'1      | 85'2   | 88'5   | 86'0 | 85'9  | 83'3  | 82'8    | 82'9       | 82'4     | 79'7      | 77'8      | 82'7  |
| Cochin . . . . .         | 80'0     | 80'6      | 83'8   | 85'0   | 82'1 | 79'5  | 77'1  | 76'9    | 78'4       | 78'8     | 79'4      | 78'5      | 80'0  |
| Colombo . . . . .        | 79'9     | 81'1      | 83'1   | 82'5   | 82'8 | 82'2  | 81'0  | 80'0    | 80'6       | 80'9     | 80'3      | 79'0      | 81'1  |
| Jaffna . . . . .         | 78'0     | 79'4      | 84'0   | 87'2   | 86'2 | 84'4  | 83'5  | 82'0    | 83'1       | 82'8     | 79'5      | 77'1      | 82'3  |
| Trincomalee . . . . .    | 79'5     | 81'3      | 84'5   | 86'3   | 87'1 | 86'9  | 85'4  | 83'9    | 84'6       | 85'0     | 80'8      | 78'9      | 83'7  |
| Batticaloa . . . . .     | 78'9     | 79'1      | 81'9   | 83'9   | 84'8 | 83'9  | 83'9  | 82'9    | 82'8       | 82'7     | 79'6      | 76'7      | 81'8  |
| Hambantota . . . . .     | 77'7     | 78'0      | ?      | 80'7   | ?    | ?     | ?     | ?       | ?          | ?        | ?         | 77'9      | ?     |
| Galle . . . . .          | 78'5     | 80'0      | 82'4   | 81'7   | 81'4 | 81'5  | 79'4  | 79'6    | 79'6       | 79'7     | 79'1      | 77'8      | 80'1  |
| Kandy . . . . .          | 79'4     | 79'4      | 82'1   | 82'7   | 82'2 | 80'8  | ?     | 78'8    | 80'0       | 79'5     | 79'6      | 78'0      | ?     |
| Akyab . . . . .          | 70'0     | 72'3      | 79'5   | 83'8   | 85'5 | 82'2  | 81'4  | 80'9    | 82'8       | 83'5     | 78'5      | 72'5      | 79'4  |
| Thayetmyo . . . . .      | 68'8     | 73'3      | 82'6   | 87'8   | 86'7 | 80'8  | 80'5  | 79'6    | 81'5       | 81'7     | 74'9      | 69'9      | 79'0  |
| Toungoo . . . . .        | 69'7     | 73'4      | 82'7   | 87'2   | 83'7 | 79'9  | 78'6  | 78'6    | 80'5       | 81'0     | 76'1      | 71'4      | 78'6  |
| Bassein . . . . .        | 72'0     | 74'5      | 80'1   | 83'2   | 81'8 | 78'8  | 78'2  | 78'4    | 78'6       | 79'1     | 76'6      | 73'3      | 77'9  |
| Diamond Island . . . . . | 74'9     | 75'7      | 78'5   | 81'2   | ?    | 78'2  | 77'6  | 78'3    | 78'4       | 79'5     | 77'4      | 75'6      | ?     |
| Rangoon . . . . .        | 74'6     | 76'6      | 81'5   | 85'0   | 81'8 | 79'0  | 78'6  | 78'2    | 79'2       | 80'7     | 77'8      | 73'9      | 78'9  |
| Moulmein . . . . .       | 74'5     | 78'0      | 82'1   | 84'5   | 81'3 | 78'0  | 77'6  | 77'7    | 79'0       | 80'7     | 77'8      | 73'3      | 78'7  |
| Mergui . . . . .         | 75'7     | 79'9      | 81'3   | 82'2   | 78'7 | 76'9  | 77'2  | 77'0    | 76'5       | 76'7     | 76'3      | 72'5      | 77'6  |
| Port Blair . . . . .     | 80'0     | 80'3      | 82'8   | 84'6   | 82'1 | 80'3  | 79'8  | 80'1    | 80'1       | 79'6     | 79'4      | 78'7      | 80'7  |
| Nancowry . . . . .       | 80'0     | 81'2      | 82'7   | 83'7   | 81'6 | 80'7  | 80'6  | 80'4    | 79'4       | 79'2     | 78'4      | 78'1      | 80'5  |

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886. (132 STATIONS).

1. ADEN.

2. BUSHIRE.

| MONTH.      | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.       | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date and hour. | Absolute range. |
|-------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|----------------|-----------------|
|             | 29 +  | 29 +      | 29 +      |        | 29 +             |       | 29 +            |             |                 | 29 +  | 29 +      | 29 +      |        | 29 +             |       | 29 +            |                |                 |
| January .   | '925  | '979      | '870      | '109   | 1'094            | 1st   | '730            | 16th        | '364            | 1'071 | 1'108     | 1'034     | '074   | 1'275            | 10th  | '736            | 5th 16 h.      | '539            |
| February .  | '910  | '969*     | '850†     | '119   | 1'042            | 1st   | '780            | 26th        | '262            | 1'037 | 1'072     | 1'001     | '071   | 1'313            | 9th   | '747            | 21st "         | '566            |
| March .     | '839  | '897†     | '781‡     | '116   | '955             | 4th   | '650            | 25th        | '305            | '938  | '974††    | '902      | '072   | 1'180            | 30th  | '713            | 28th 10 h.     | '467            |
| April .     | '819  | '880‡     | '758‡     | '122   | '949             | 25th  | '671            | 30th        | '278            | '878  | '909      | '847      | '062   | 1'105            | 9th   | '692            | 30th 16 h.*    | '413            |
| May .       | '680  | '733§     | '626      | '107   | '822             | 18th  | '440            | 26th        | '382            | '699  | '728      | '670      | '058   | '934             | 13th  | '444            | 28th "         | '490            |
| June .      | '596  | '652¶     | '539¶     | '113   | '730             | 12th  | '451            | 4th         | '279            | '540  | '565      | '515      | '050   | '737             | 10th  | '366            | 26th "         | '371            |
| July .      | '513  | '577**    | '449      | '128   | '668             | 30th  | '378            | 18th & 23rd | '290            | '424  | '449      | '398      | '051   | '555             | 31st  | '266            | 23rd "         | '289            |
| August .    | '574  | '640      | '508      | '132   | '737             | 4th   | '395            | 13th        | '342            | '514  | '539††    | '489††    | '050   | '646             | 31st  | '357            | 2nd "          | '289            |
| September . | '684  | '742      | '625      | '117   | '877             | 28th  | '421            | 3rd         | '456            | '701  | '730      | '671      | '059   | '865             | 30th  | '494            | 2nd "          | '371            |
| October .   | '797  | '848      | '745      | '103   | '915             | 28th  | '644            | 3rd         | '271            | '890  | '927      | '853      | '074   | 1'118            | 24th  | '741            | 26th "         | '377            |
| November .  | '894  | '946      | '841      | '105   | 1'005            | 23rd  | '769            | 5th         | '236            | 1'029 | 1'064     | '993      | '071   | 1'168            | 22nd  | '874            | 28th "         | '294            |
| December .  | '943  | '974      | '912      | '062   | 1'010            | 11th  | '877            | 17th        | '133            | 1'142 | 1'178     | 1'105     | '073   | 1'319            | 27th  | 1'001           | 6th "          | '318            |
| Year .      | '765  | '820      | '709      | '111   | 1'094            | ...   | '378            | ...         | '716            | '822  | '854      | '790      | '064   | 1'819            | ...   | '266            | ...            | 1'053           |

\* Mean of 26 days.

|| Mean of 23 days.

†† Mean of 30 days.

† " " 25 "

¶ " " 20 "

‡ " " 28 "

\*\* " " 29 "

§ " " 24 "

3. AMINI DIVI.

4. QUETTA.

| MONTH.      | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date.       | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date and hour. | Absolute range. |
|-------------|-------|-----------|-----------|--------|------------------|-------------|-----------------|-------------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|----------------|-----------------|
|             | 29 +  | 29 +      | 29 +      |        | 29 +             |             | 29 +            |             |                 | 24 +  | 24 +      | 24 +      |        | 24 +             |       | 24 +            |                |                 |
| January .   | '941  | '989      | '893      | '096   | 1'071            | 18th        | '821            | 28th        | '251            | '648  | '686*     | '610*     | '076   | '888             | 10th  | '418            | 22nd 16 h.     | '470            |
| February .  | '940  | '999      | '881      | '118   | 1'060            | 21st        | '820            | 28th        | '240            | '684  | '720      | '648      | '072   | '889             | 9th   | '489            | 16th 10 h.     | '400            |
| March .     | '906  | '954      | '858      | '096   | 1'062            | 10th        | '807            | 18th & 21st | '255            | '599  | '631      | '567      | '064   | '823             | 11th  | '340            | 17th 16 h.     | '483            |
| April .     |       |           |           |        |                  |             |                 |             |                 | '632  | '669      | '594      | '075   | '766             | 23rd  | '475            | 11th "         | '291            |
| May .       |       |           |           |        |                  |             |                 |             |                 | '571  | '604      | '538      | '066   | '700             | 23rd  | '420            | 28th "         | '280            |
| June .      | '808  | '844      | '771      | '073   | '908             | 25th        | '712            | 15th        | '196            | '453  | '487      | '419      | '068   | '589             | 3rd   | '320            | 26th "         | '269            |
| July .      | '820  | '854      | '786      | '068   | '943             | 30th        | '729            | 2nd         | '214            | '362  | '397      | '327      | '070   | '473             | 13th  | '254            | 22nd "         | '219            |
| August .    | '851  | '893      | '808      | '085   | '989             | 24th        | '749            | 19th        | '240            | '424  | '461      | '387      | '074   | '520             | 31st  | '283            | 2nd "          | '237            |
| September . | '880  | '931      | '828      | '103   | '967             | 15th & 21st | '771            | 2nd         | '196            | '547  | '588      | '505      | '083   | '736             | 30th  | '344            | 8th "          | '392            |
| October .   | '874  | '927      | '820      | '107   | 1'022            | 7th         | '730            | 26th        | '292            | '658  | '706      | '609      | '097   | '801             | 24th  | '504            | 3rd "          | '297            |
| November .  | '907  | '963      | '850      | '113   | 1'067            | 14th        | '734            | 10th        | '333            | '731  | '776      | '685      | '091   | '842             | 12th  | '600            | 16th "         | '242            |
| December .  | '947  | 1'003     | '891      | '112   | 1'077            | 27th        | '809            | 9th         | '268            | '704  | '746      | '661      | '085   | '837             | 18th  | '608            | 31st "         | '229            |
| Year .      | ?     | ?         | ?         | ?      | ?                | ...         | ?               | ...         | ?               | '584  | '623      | '546      | '077   | '889             | ...   | '254            | ...            | '635            |

\* Mean of 30 days.

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

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## 5. LEH.

## 6. MOOLTAN.

| MONTH.    | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date and hour.    | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.      | Lowest reading. | Date. | Absolute range. |
|-----------|-------|----------|-----------|-----------|-----------|--------|------------------|-------|-----------------|-------------------|-----------------|-------|-----------|-----------|--------|------------------|------------|-----------------|-------|-----------------|
| January   | 19+   | 19+      | 19+       | 19+       | 19+       |        | 19+              |       | 19+             |                   |                 | 29+   | 29+       | 28+       |        | 29+              |            | 28+             |       |                 |
| February  | 602   | 609      | 636       | 564       | 594       | 072    | 884              | 7th   | 239             | 31st, 16h.        | 645             | 642   | 690       | 1594      | 096    | 1034             | 5th        | 1317            | 19th  | 717             |
| March     | 510   | 509      | 543       | 472       | 514       | 071    | 824              | 25th  | 180             | 16th, "           | 644             | 631   | 682       | 1579      | 103    | 864              | 9th        | 1201            | 16th  | 663             |
| April     | 583   | 590      | 626       | 534       | 583       | 092    | 798              | 12th  | 215             | 30th, "           | 583             | 465   | 516       | 1413      | 103    | 786              | 11th       | 1192            | 25th  | 594             |
| May       | 661   | 666      | 694       | 615       | 668       | 079    | 909              | 26th  | 371             | 1st, 6h.          | 538             | 359   | 412       | 1306      | 106    | 560              | 3rd        | 1175            | 29th  | 385             |
| June      | 658   | 683      | 691       | 605       | 651       | 086    | 843              | 22nd  | 447             | 10th, 16h.        | 396             | 199   | 251       | 1146      | 105    | 411              | 17th       | 905             | 28th  | 506             |
| July      | 628   | 649      | 661       | 580       | 623       | 081    | 854              | 11th  | 470             | 2nd, "            | 384             | 062   | 115       | 1009      | 106    | 276              | 7th        | 911             | 15th  | 365             |
| August    | 579   | 611      | 619       | 522       | 563       | 097    | 783              | 7th   | 429             | 22nd, "           | 354             | 026   | 073       | 978       | 095    | 195              | 12th       | 902             | 22nd  | 293             |
| September | 589   | 623      | 628       | 521       | 585       | 107    | 723              | 12th  | 448             | 25th & 26th, 16h. | 275             | 086   | 137       | 1034      | 103    | 204              | 13th       | 878             | 2nd   | 326             |
| October   | 675   | 712      | 722       | 600       | 667       | 122    | 908              | 30th  | 492             | 8th, "            | 416             | 215   | 268       | 1162      | 106    | 439              | 29th       | 1025            | 8th   | 414             |
| November  | 734   | 766      | 782       | 669       | 720       | 113    | 864              | 1st   | 525             | 26th, "           | 339             | 416   | 472       | 1360      | 112    | 622              | 28th       | 1190            | 26th  | 432             |
| December  | 740   | 770      | 785       | 677       | 729       | 108    | 914              | 15th  | 567             | 25th, "           | 347             | 588   | 643       | 1532      | 111    | 775              | 23rd       | 1442            | 1st   | 333             |
| Year      | 666   | 682      | 705       | 617       | 659       | 088    | 924              | 7th   | 389             | 28th, "           | 535             | 653   | 711       | 1594      | 117    | 806              | 5th & 26th | 1488            | 22nd  | 318             |
| Year      | 635   | 651      | 674       | 581       | 630       | 093    | 924              | ...   | 180             | ...               | 744             | 362   | 414       | 1309      | 105    | 1034             | ...        | 878             | ...   | 1156            |

## 7. DERA ISMAIL KHAN.

## 8. PESHAWAR.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.      | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|------------|-----------------|
| January   | 28+   | 28+       | 28+       |        | 29+              |       | 28+             |       |                 | 28+   | 28+       | 28+       |        | 28+              |       | 28+             |            |                 |
| February  | 1493  | 1528      | 1458      | 070    | 888              | 5th   | 1156            | 19th  | 732             | 951   | 997       | 904       | 093    | 1327             | 5th   | 624             | 19th       | 703             |
| March     | 1481  | 1519      | 1443      | 076    | 736              | 9th   | 1008            | 16th  | 728             | 941   | 983       | 899       | 084    | 1208             | 9th   | 471             | 16th       | 737             |
| April     | 1323  | 1370      | 1276      | 094    | 672              | 11th  | 1066            | 29th  | 606             | 783   | 829       | 737       | 092    | 1091             | 11th  | 524             | 30th       | 567             |
| May       | 1219  | 1273      | 1164      | 109    | 411              | 3rd   | 1043            | 29th  | 468             | 713   | 760       | 665       | 095    | 887              | 18th  | 552             | 29th       | 335             |
| June      | 1057  | 1107      | 1006      | 101    | 267              | 17th  | 772             | 28th  | 495             | 571   | 621       | 521       | 100    | 792              | 7th   | 342             | 28th       | 450             |
| July      | 914   | 963       | 864       | 099    | 131              | 7th   | 751             | 13th  | 380             | 413   | 465       | 357       | 108    | 640              | 7th   | 258             | 25th       | 382             |
| August    | 886   | 933       | 838       | 095    | 077              | 12th  | 741             | 10th  | 336             | 358   | 417       | 298       | 119    | 601              | 12th  | 164             | 26th       | 437             |
| September | 934   | 981       | 886       | 095    | 065              | 13th  | 725             | 2nd   | 340             | 428   | 487       | 368       | 119    | 586              | 16th  | 202             | 2nd        | 384             |
| October   | 1065  | 1115      | 1014      | 101    | 330              | 29th  | 901             | 7th   | 429             | 581   | 635       | 526       | 109    | 873              | 29th  | 387             | 12th       | 486             |
| November  | 1271  | 1322      | 1219      | 103    | 490              | 28th  | 1036            | 6th   | 454             | 767   | 824       | 710       | 114    | 1014             | 28th  | 560             | 3rd        | 454             |
| December  | 1440  | 1487      | 1393      | 094    | 617              | 22nd  | 1303            | 1st   | 314             | 911   | 960       | 861       | 099    | 1077             | 23rd  | 785             | 1st & 10th | 292             |
| Year      | 1505  | 1545      | 1464      | 081    | 644              | 12th  | 1362            | 22nd  | 282             | 982   | 1025      | 938       | 087    | 1126             | 12th  | 814             | 1st        | 312             |
| Year      | 1216  | 1262      | 1169      | 093    | 888              | ...   | 725             | ...   | 1163            | 700   | 750       | 649       | 102    | 1327             | ...   | 164             | ...        | 1163            |

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

## 9. MURREE.

## 10. RAWALPINDI.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date and hour. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|----------------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
| January   | 23+   | 23+       | 23+       |        | 23+              |       | 23+             |                |                 | 27+   | 27+       | 27+       |        | 28+              |       | 27+             |       |                 |
| January   | '858  | '878      | '838      | '040   | 1'111            | 5th   | '531            | 31st, 16h.     | '580            | 1'345 | 1'387     | 1'302     | '085   | '565             | 9th   | 1'039           | 19th  | '526            |
| February  | '830  | '845      | '815      | '030   | '993             | 12th  | '373            | 16th "         | '620            | 1'328 | 1'365     | 1'290     | '075   | '565             | 9th   | '926            | 16th  | '639            |
| March     | '821  | 838       | '804      | '034   | 1'000            | 11th  | '588            | 30th "         | '412            | 1'216 | 1'256     | 1'175     | '081   | '498             | 11th  | '968            | 30th  | '530            |
| April     | '849  | '866      | '831*     | '035   | '965             | 19th  | '724            | 10th & 11th.   | '241            | 1'149 | 1'188     | 1'109     | '079   | '288             | 3rd   | 1'050           | 25th  | '238            |
| May       | '806  | '823      | '789      | '034   | '947             | 21st  | '691            | 10th, 10h.     | '256            | 1'038 | 1'084     | '991      | '093   | '227             | 17th  | '788            | 28th  | '439            |
| June      | '731  | '747      | '714      | '033   | '869             | 10th  | '636            | 22nd, 16h.     | '233            | '902  | '949*     | '855*     | '094   | '125             | 7th   | '726            | 13th  | '399            |
| July      | '698  | '716      | '680      | '036   | '814             | 13th  | '605            | 22nd "         | '209            | '871  | '917      | '824      | '093   | '030             | 13th  | '688            | 26th  | '342            |
| August    | '735  | '755      | '715      | '040   | '828             | 13th  | '603            | 1st "          | '225            | '932  | '970      | '893      | '077   | '050             | 17th  | '687            | 1st   | '363            |
| September | '834  | '853      | '814*     | '039   | '998             | 29th  | '730            | 12th "         | '268            | 1'054 | 1'098     | 1'010     | '088   | '310             | 29th  | '916            | 7th   | '394            |
| October   | '921  | '944      | '898      | '046   | 1'048            | 28th  | '773            | 26th "         | '275            | 1'223 | 1'269     | 1'176     | '093   | '392             | 28th  | 1'036           | 26th  | '356            |
| November  | '955  | '974      | '936*     | '038   | 1'063            | 22nd  | '876            | 18th "         | '187            | 1'344 | 1'389     | 1'298     | '091   | '521             | 22nd  | 1'232           | 19th  | '289            |
| December  | '917  | '934      | '899      | '035   | 1'040            | 4th   | '750            | 23rd "         | '290            | 1'394 | 1'436     | 1'351     | '085   | '531             | 26th  | 1'252           | 1st   | '279            |
| Year      | '830  | '848      | '811      | '037   | 1'111            | ...   | '373            | ...            | '738            | 1'150 | 1'192     | 1'106     | '086   | '565             | ...   | '687            | ...   | '878            |

\* Mean of 29 days.

## 11. SIALKOT.

## 12. LAHORE.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.        | Absolute range. | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date and hour.       | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|--------------|-----------------|-------|----------|-----------|-----------|-----------|--------|------------------|-------|-----------------|----------------------|-----------------|
| January   | 28+   | 28+       | 28+       |        | 28+              |       | 28+             |              |                 | 28+   | 28+      | 28+       | 28+       | 28+       |        | 28+              |       | 28+             |                      |                 |
| January   | 1'182 | 1'218     | 1'145     | '073   | 1'543            | 5th   | '887            | 31st         | '656            | 1'328 | 1'306    | 1'376     | 1'298     | 1'331     | '078   | 1'707            | 5th   | '960            | 31st, 16h.           | '747            |
| February  | 1'154 | 1'189     | 1'119     | '070   | 1'379            | 9th   | '746            | 16th         | '633            | 1'308 | 1'286    | 1'355     | 1'274     | 1'318     | '081   | 1'546            | 9th   | '916            | 16th, "              | '630            |
| March     | 1'037 | 1'074     | 1'000     | '074   | 1'344            | 11th  | '793            | 30th         | '551            | 1'167 | 1'138    | 1'216     | 1'133     | 1'181     | '083   | 1'492            | 11th  | '861            | 30th, 4h.            | '631            |
| April     | '926  | '964      | '888      | '076   | 1'099            | 3rd   | '782            | 29th         | '307            | 1'059 | 1'040    | 1'108     | 1'024     | 1'065     | '084   | 1'259            | 3rd   | '903            | 11th, "              | '356            |
| May       | '809  | '858      | '760      | '098   | 1'018            | 20th  | '574            | 28th         | '444            | '922  | '917     | '975      | '880      | '917      | '095   | 1'144            | 17th  | '644            | 28th, 16h.           | '500            |
| June      | '670  | '715      | '624      | '091   | '892             | 7th   | '479            | 15th         | '413            | '791  | '783     | '846      | '752      | '781      | '094   | 1'015            | 7th   | '617            | 15th, "              | '398            |
| July      | '660  | '702      | '618      | '084   | '820             | 12th  | '528            | 19th         | '292            | '780  | '771     | '835      | '742      | '771      | '093   | '955             | 12th  | '657            | 19th, "              | '298            |
| August    | '709  | '751      | '667      | '084   | '834             | 12th  | '517            | 1st          | '317            | '833  | '822     | '886      | '797      | '828      | '089   | '975             | 12th  | '641            | 1st, 16h. & 2nd, 4h. | '334            |
| September | '819  | '862      | '775      | '087   | 1'044            | 29th  | '662            | 12th         | '382            | '945  | '934     | 1'000     | '905      | '942      | '095   | 1'192            | 29th  | '792            | 12th, 16h.           | '400            |
| October   | 1'005 | 1'053     | '956      | '097   | 1'182            | 28th  | '807            | 3rd          | '375            | 1'136 | 1'122    | 1'196     | 1'099     | 1'126     | '097   | 1'322            | 28th  | '939            | 3rd, "               | '383            |
| November  | 1'144 | 1'187     | 1'100     | '087   | 1'313            | 22nd  | 1'038           | 15th & 18th. | '275            | 1'286 | 1'260    | 1'341     | 1'254     | 1'287     | '087   | 1'479            | 22nd  | 1'154           | 1st, 4h.             | '325            |
| December  | 1'194 | 1'235     | 1'152     | '083   | 1'326            | 26th  | 1'054           | 22nd         | '272            | 1'343 | 1'322    | 1'395     | 1'309     | 1'346     | '086   | 1'493            | 18th  | 1'191           | 22nd, 16h.           | '302            |
| Year      | '942  | '984      | '900      | '084   | 1'543            | ...   | '479            | ...          | 1'064           | 1'075 | 1'059    | 1'127     | 1'039     | 1'074     | '089   | 1'707            | ...   | '617            | ...                  | 1'090           |

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

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## 13. LUDHIANA.

## 14. CHAMBA.

| MONTH.      | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Range. | Highest reading. | Date and hour. | Lowest reading. | Date and hour. | Absolute range. |
|-------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|----------|-----------|-----------|-----------|--------|------------------|----------------|-----------------|----------------|-----------------|
|             | 28 +  | 28 +      | 28 +      |        | 28 +             |       | 28 +            |       |                 | 26 +  | 26 +     | 26 +      | 26 +      | 26 +      |        | 26 +             |                | 26 +            |                |                 |
| January .   | 1'205 | 1'242     | 1'167     | '075   | 1'524            | 5th   | '968            | 19th  | '556            | 1'010 | '998*    | 1'057     | '961      | 1'024     | '096   | 1'359            | 5th, 10h       | '744            | 19th, 16h.     | '615            |
| February .  | 1'170 | 1'211     | 1'128     | '083   | 1'368            | 9th   | '795            | 16th  | '563            | '980  | '968     | 1'025     | '923      | 1'003     | '102   | 1'196            | 9th, "         | '494            | 16th, "        | '702            |
| March .     | 1'051 | 1'094     | 1'007     | '087   | 1'349            | 11th  | '770            | 27th  | '579            | '910  | '900     | '945      | '865      | '931      | '080   | 1'155            | 10th, 22h.     | '630            | 30th, 10h.     | '525            |
| April .     | '943  | '983      | '902      | '081   | 1'111            | 3rd   | '776            | 10th  | '335            | '864  | '868     | '894      | '814      | '880      | '080   | 1'078            | 23rd, 10h.     | '695            | 13th, 16h.     | '383            |
| May .       | '827  | '876      | '778      | '098   | 1'061            | 17th  | '592            | 28th  | '469            | '776  | '778     | '807      | '733      | '785      | '074   | 1'019            | 6th, "         | '611            | 25th, "        | '408            |
| June .      | '700  | '749      | '651      | '098   | '930             | 7th   | '516            | 14th  | '414            | '652  | '665     | '674      | '609      | '659      | '065   | '783             | 7th, "         | '456            | 13th, "        | '327            |
| July .      | '695  | '736      | '654      | '082   | '853             | 30th  | '568            | 19th  | '285            | '617  | '618     | '645      | '583      | '621      | '062   | '740             | 12th, "        | '503            | 19th, "        | '237            |
| August .    | '753  | '803      | '703      | '100   | '893             | 12th  | '559            | 1st   | '334            | '648  | '647     | '676      | '614      | '654      | '062   | '757             | 16th, "        | '497            | 1st, "         | '260            |
| September . | '864  | '910      | '817      | '093   | 1'058            | 29th  | '702            | 12th  | '356            | '760  | '762     | '792      | '710      | '775      | '082   | '970             | 29th, "        | '626            | 7th, "         | '344            |
| October .   | 1'042 | 1'093     | '990      | '103   | 1'209            | 28th  | '859            | 3rd   | '350            | '914  | '923     | '963      | '850      | '920      | '113   | 1'086            | 28th, "        | '738            | 3rd, "         | '348            |
| November .  | 1'178 | 1'225     | 1'130     | '095   | 1'344            | 22nd  | 1'039           | 1st   | '305            | 1'012 | 1'007    | 1'050     | '956      | 1'034     | '094   | 1'171            | 22nd, "        | '882            | 18th, "        | '289            |
| December .  | 1'228 | 1'270     | 1'186     | '084   | 1'348            | 18th  | 1'071           | 23rd  | '277            | 1'040 | 1'033    | 1'083     | '989      | 1'056     | '094   | 1'190            | 26th, "        | '897            | 1st, "         | '293            |
| Year .      | '971  | 1'016     | '926      | '090   | 1'524            | ...   | '516            | ...   | 1'008           | '849  | '847     | '884      | '801      | '862      | '084   | 1'359            | ...            | '456            | ...            | '903            |

\* Mean of 29 days.

## 15. KAILANG.

## 16. SIMLA.

| MONTH.      | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date.      | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date. | Absolute range. |
|-------------|-------|-----------|-----------|--------|------------------|-------------|-----------------|------------|-----------------|-------|-----------|-----------|--------|------------------|-------------|-----------------|-------|-----------------|
|             | 20 +  | 20 +      | 20 +      |        | 20 +             |             | 20 +            |            |                 | 23 +  | 23 +      | 23 +      |        | 23 +             |             | 23 +            |       |                 |
| January .   | '752  | '786      | '717      | '069   | '955             | 5th         | '351            | 31st       | '604            | '275  | '303      | '247      | '056   | '485             | 5th         | '127            | 25th  | '358            |
| February .  | '695  | '722      | '668      | '054   | '890             | 20th        | '361            | 16th       | '529            | '239  | '264      | '214      | '050   | '379             | 21st        | '074            | 1st   | '305            |
| March .     | '751  | '776      | '725      | '051   | '900             | 14th        | '423            | 31st       | '477            | '241  | '272      | '209      | '063   | '377             | 11th & 12th | '061            | 31st  | '316            |
| April .     | '789  | '810      | '767      | '043   | '949             | 27th        | '541            | 1st        | '408            | '254  | '277      | '230      | '047   | '389             | 27th        | '094            | 1st   | '295            |
| May .       | '770  | '783      | '756      | '027   | '856             | 22nd & 23rd | '621            | 12th       | '235            | '222  | '250      | '193      | '057   | '338             | 20th        | '100            | 12th  | '238            |
| June .      | '699  | '713      | '685      | '028   | '854             | 11th        | '517            | 26th       | '337            | '154  | '181*     | '126      | '055   | '264             | 11th        | '010            | 5th   | '254            |
| July .      | '650  | '679      | '620      | '059   | '759             | 30th        | '476            | 26th       | '283            | '124  | '151      | '097      | '054   | '303             | 1st         | '044            | 20th  | '259            |
| August .    | '662  | '686      | '637      | '049   | '747             | 31st        | '454            | 1st        | '293            | '158  | '188†     | '128      | '060   | '266             | 17th        | '037            | 2nd   | '229            |
| September . | '728  | '762      | '693      | '069   | '855             | 29th        | '559            | 12th       | '296            | '240  | '266      | '214      | '052   | '377             | 29th        | '095            | 17th  | '282            |
| October .   | '791  | '828      | '754      | '074   | '888             | 16th        | '676            | 3rd & 10th | '212            | '330  | '357      | '302      | '055   | '425             | 14th        | '206            | 26th  | '219            |
| November .  | '816  | '852      | '780      | '072   | '935             | 23rd        | '725            | 13th*      | '210            | '348  | '377      | '319      | '058   | '446             | 23rd        | '246            | 18th  | '200            |
| December .  | '793  | '821      | '765      | '056   | '946             | 7th         | '544            | 28th       | '402            | '325  | '352      | '297      | '055   | '454             | 26th        | '163            | 28th  | '291            |
| Year .      | '741  | '768      | '714      | '054   | '955             | ...         | '351            | ...        | '604            | '243  | '270      | '215      | '055   | '485             | ...         | '010            | ...   | '475            |

\* Mean of 29 days.

† " " 30 "

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

## 17. DELHI.

## 18. SIRSA.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 28+   | 28+       | 28+       |        | 28+              |       | 28+             |       |                 | 28+   | 28+       | 28+       |        | 28+              |       | 28+             |       |                 |
| January   | 1'310 | 1'360     | 1'260     | 100    | 1'577            | 5th   | 1'054           | 31st  | 523             | 1'379 | 1'426     | 1'332     | 094    | 1'638            | 5th   | 1'121           | 31st  | 517             |
| February  | 1'277 | 1'324     | 1'230     | 094    | 1'480            | 9th   | 095             | 16th  | 485             | 1'355 | 1'401     | 1'308     | 093    | 1'559            | 9th   | 1'040           | 16th  | 519             |
| March     | 1'149 | 1'197     | 1'101     | 096    | 1'446            | 11th  | 096             | 27th  | 530             | 1'202 | 1'254     | 1'150     | 104    | 1'523            | 11th  | 096             | 27th  | 557             |
| April     | 1'031 | 1'083     | 098       | 105    | 1'222            | 3rd   | 810             | 10th  | 412             | 1'097 | 1'150     | 1'044     | 106    | 1'297            | 3rd   | 875             | 10th  | 422             |
| May       | 0924  | 0982      | 0866      | 116    | 1'131            | 17th  | 702             | 25th  | 429             | 0963  | 1'017     | 0909      | 108    | 1'171            | 17th  | 698             | 28th  | 473             |
| June      | 0801  | 0856      | 0745      | 111    | 0994             | 7th   | 597             | 14th  | 397             | 0841  | 0893      | 0789      | 104    | 1'057            | 7th   | 688             | 14th  | 369             |
| July      | 0791  | 0841      | 0741      | 100    | 0963             | 11th  | 656             | 23rd  | 307             | 0821  | 0871      | 0770      | 101    | 0981             | 12th  | 681             | 19th  | 300             |
| August    | 0854  | 0907      | 0801      | 106    | 0996             | 12th  | 675             | 1st   | 321             | 0890  | 0942      | 0837      | 105    | 1'043            | 12th  | 716             | 1st   | 327             |
| September | 0970  | 1'032     | 0907      | 125    | 1'271            | 27th  | 751             | 12th  | 520             | 1'013 | 1'068     | 0957      | 111    | 1'214            | 29th  | 846             | 12th  | 368             |
| October   | 1'126 | 1'177     | 1'074     | 103    | 1'300            | 28th  | 969             | 26th  | 331             | 1'179 | 1'234     | 1'124     | 110    | 1'339            | 28th  | 980             | 26th  | 359             |
| November  | 1'267 | 1'321     | 1'213     | 108    | 1'441            | 22nd  | 1'146           | 10th  | 295             | 1'335 | 1'382     | 1'288     | 094    | 1'510            | 22nd  | 1'205           | 9th   | 305             |
| December  | 1'312 | 1'364     | 1'260     | 104    | 1'446            | 18th  | 1'163           | 23rd  | 283             | 1'394 | 1'438     | 1'349     | 089    | 1'521            | 18th  | 1'266           | 22nd  | 255             |
| Year      | 1'068 | 1'120     | 1'015     | 106    | 1'577            | ...   | 597             | ...   | 980             | 1'122 | 1'173     | 1'071     | 102    | 1'638            | ...   | 681             | ...   | 957             |

## 19. CHAKRATA.

## 20. DEHRA.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date.        | Absolute range. | Mean. | 9-30 hours. | 15-30 hours. | Range. | Highest reading. | Date.        | Lowest reading. | Date.      | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------------|-----------------|--------------|-----------------|-------|-------------|--------------|--------|------------------|--------------|-----------------|------------|-----------------|
|           | 23+   | 23+       | 23+       |        | 23+              |             | 23+             |              |                 | 27+   | 27+         | 27+          |        | 27+              |              | 27+             |            |                 |
| January   | 0259  | 0302      | 0241      | 061    | 0481             | 5th         | 087             | 31st         | 394             | 0750  | 0795        | 0725         | 070    | 1'065            | 5th          | 0525            | 31st       | 540             |
| February  | 0232  | 0271      | 0219      | 052    | 0404             | 20th        | 121             | 2nd          | 283             | 0720  | 0763        | 0686         | 077    | 0906             | 9th          | 0544            | 25th       | 362             |
| March     | 0237  | 0283      | 0223      | 060    | 0450             | 12th        | 118             | 31st         | 332             | 0650  | 0696        | 0619         | 077    | 0906             | 11th         | 0476            | 25th       | 430             |
| April     | 0247  | 0276      | 0236      | 040    | 0395             | 23rd        | 132             | 4th          | 263             | 0552  | 0603        | 0518         | 085    | 0701             | 30th         | 0389            | 10th       | 312             |
| May       | 0218  | 0250      | 0205      | 045    | 0389             | 21st        | 125             | 12th & 31st. | 264             | 0506  | 0560        | 0469         | 091    | 0681             | 21st & 22nd. | 0353            | 25th       | 328             |
| June      | 0142  | 0168      | 0120      | 048    | 0268             | 10th        | 035             | 26th         | 233             | 0379  | 0428        | 0344         | 084    | 0542             | 7th          | 0227            | 14th       | 315             |
| July      | 0106  | 0136      | 0088      | 048    | 0227             | 12th & 30th | 020             | 26th         | 207             | 0359  | 0400        | 0331         | 069    | 0505             | 13th         | 0249            | 19th       | 256             |
| August    | 0138  | 0164      | 0116      | 048    | 0245             | 17th        | 044             | 2nd          | 201             | 0395  | 0442        | 0359         | 083    | 0512             | 16th         | 0236            | 1st        | 276             |
| September | 0216  | 0251      | 0190      | 061    | 0376             | 29th        | 107             | 12th         | 269             | 0501  | 0552        | 0463         | 089    | 0705             | 29th         | 0364            | 8th        | 341             |
| October   | 0305  | 0340      | 0284      | 056    | 0420             | 28th        | 191             | 26th         | 229             | 0643  | 0698        | 0605         | 093    | 0787             | 28th         | 0505            | 26th       | 282             |
| November  | 0327  | 0366      | 0307      | 059    | 0461             | 22nd & 23rd | 247             | 18th & 19th. | 214             | 0755  | 0810        | 0716         | 094    | 0926             | 23rd         | 0621            | 18th       | 305             |
| December  | 0310  | 0346      | 0290      | 056    | 0458             | 26th        | 220             | 29th         | 238             | 0780  | 0829        | 0748         | 081    | 0938             | 26th         | 0681            | 1st & 23rd | 257             |
| Year      | 0228  | 0263      | 0210      | 053    | 0481             | ...         | 020             | ...          | 461             | 0583  | 0631        | 0549         | 083    | 1'065            | ...          | 0227            | ...        | 838             |

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

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## 21. MUSSOOREE TRIGL. S. O.

## 22. ROORKEE.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 23 +  | 23 +      | 23 +      |        | 23 +             |       | 23 +            |       |                 | 28 +  | 28 +      | 28 +      |        | 28 +             |       | 28 +            |       |                 |
| January   | ...   | ...       | ...       | ...    | ...              | ...   | ...             | ...   | ...             | 1'115 | 1'173     | 1'082     | '091   | 1'454            | 5th   | '885            | 31st  | '569            |
| February  | ...   | ...       | ...       | ...    | ...              | ...   | ...             | ...   | ...             | 1'071 | 1'125     | 1'031     | '094   | 1'288            | 9th   | '833            | 16th  | '455            |
| March     | ...   | ...       | ...       | ...    | ...              | ...   | ...             | ...   | ...             | '970  | 1'032     | '929      | '103   | 1'276            | 11th  | '761            | 27th  | '515            |
| April     | ...   | ...       | ...       | ...    | ...              | ...   | ...             | ...   | ...             | '840  | '907      | '796      | '111   | 1'032            | 3rd   | '644            | 10th  | '388            |
| May       | ...   | ...       | ...       | ...    | ...              | ...   | ...             | ...   | ...             | '764  | '833      | '718      | '115   | '970             | 21st  | '562            | 25th  | '408            |
| June      | ...   | ...       | ...       | ...    | ...              | ...   | ...             | ...   | ...             | '634  | '700      | '586      | '114   | '823             | 7th   | '414            | 14th  | '409            |
| July      | ...   | ...       | ...       | ...    | ...              | ...   | ...             | ...   | ...             | '624  | '680      | '586      | '094   | '783             | 13th  | '492            | 19th  | '291            |
| August    | ...   | ...       | ...       | ...    | ...              | ...   | ...             | ...   | ...             | '677  | '739      | '631      | '108   | '830             | 12th  | '497            | 1st   | '333            |
| September | ...   | ...       | ...       | ...    | ...              | ...   | ...             | ...   | ...             | '785  | '851      | '737      | '114   | 1'022            | 29th  | '622            | 8th   | '400            |
| October   | ...   | ...       | ...       | ...    | ...              | ...   | ...             | ...   | ...             | '951  | 1'023     | '903      | '120   | 1'126            | 28th  | '792            | 26th  | '334            |
| November  | ...   | ...       | ...       | ...    | ...              | ...   | ...             | ...   | ...             | 1'094 | 1'160     | 1'046     | '114   | 1'226            | 22nd  | '962            | 18th  | '264            |
| December  | '473  | '501      | '445      | '056   | '619             | 26th  | '363            | 29th  | '256            | 1'128 | 1'192     | 1'087     | '105   | 1'301            | 26th  | 1'006           | 5th   | '295            |
| Year      | ...   | ...       | ...       | ...    | ...              | ...   | ...             | ...   | ...             | '888  | '951      | '844      | '107   | 1'454            | ...   | '414            | ...   | 1'040           |

## 23. RANIKHET.

## 24. PITHORAGARH.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.      | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|------------|-----------------|
|           | 23 +  | 23 +      | 23 +      |        | 23 +             |             | 23 +            |       |                 | 24 +  | 24 +      | 24 +      |        | 24 +             |       | 24 +            |            |                 |
| January   | 1'128 | 1'176     | 1'108     | '068   | 1'328            | 5th         | '980            | 31st  | '348            | '765  | '820      | '742      | '078   | 1'017            | 5th   | '621            | 28th       | '396            |
| February  | 1'092 | 1'137     | 1'070     | '067   | 1'230            | 26th        | '960            | 4th   | '270            | '727  | '779      | '703      | '076   | '877             | 9th   | '612            | 4th & 25th | '265            |
| March     | 1'093 | 1'138     | 1'068     | '070   | 1'249            | 11th        | '950            | 25th  | '299            | '733  | '780      | '706      | '074   | '896             | 11th  | '559            | 25th       | '337            |
| April     | 1'063 | 1'111     | 1'043     | '068   | 1'208            | 22nd        | '961            | 10th  | '247            | '679  | '735      | '655      | '080   | '834             | 22nd  | '549            | 10th       | '285            |
| May       | 1'027 | 1'071     | 1'013     | '058   | 1'210            | 21st        | '933            | 14th  | '277            | '654  | '707      | '636      | '071   | '833             | 21st  | '540            | 9th        | '293            |
| June      | '936  | '978      | '920      | '058   | 1'094            | 10th        | '812            | 26th  | '282            | '557  | '613      | '536      | '077   | '720             | 10th  | '431            | 26th       | '289            |
| July      | '915  | '955      | '891      | '064   | 1'064            | 13th        | '819            | 26th  | '245            | '533  | '580      | '505      | '075   | '675             | 13th  | '430            | 19th       | '245            |
| August    | '929  | '982      | '912      | '070   | 1'044            | 12th & 31st | '809            | 1st   | '235            | '555  | '610      | '537      | '073   | '683             | 16th  | '421            | 1st        | '262            |
| September | 1'010 | 1'067     | '989      | '078   | 1'192            | 29th        | '900            | 8th   | '292            | '640  | '699      | '618      | '081   | '824             | 29th  | '507            | 8th        | '317            |
| October   | 1'102 | 1'165     | 1'081     | '084   | 1'255            | 28th        | 1'016           | 26th  | '239            | '739  | '798      | '720      | '078   | '885             | 28th  | '653            | 26th       | '232            |
| November  | 1'155 | 1'203     | 1'120     | '083   | 1'292            | 23rd        | 1'053           | 18th  | '239            | '796  | '851      | '770      | '081   | '960             | 23rd  | '702            | 18th       | '258            |
| December  | 1'137 | 1'187     | 1'117     | '070   | 1'314            | 26th        | 1'051           | 30th  | '263            | '792  | '844      | '772      | '072   | '966             | 26th  | '720            | 30th       | '246            |
| Year      | 1'049 | 1'098     | 1'028     | '070   | 1'328            | ...         | '809            | ...   | '519            | '681  | '735      | '658      | '076   | 1'017            | ...   | '421            | ...        | '596            |

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

## 25. MEERUT.

## 26. BAREILLY.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------------|-----------------|-------|-----------------|
| January   | 28+   | 28+       | 28+       |        | 28+              |       | 28+             |       |                 | 28+   | 28+       | 28+       |        | 29+              |             | 28+             |       |                 |
| January   | 1'282 | 1'336     | 1'241     | '095   | 1'609            | 5th   | 1'029           | 31st  | '580            | 1'444 | 1'497     | 1'404     | '093   | '652             | 9th         | 1'262           | 22nd  | '390            |
| February  | 1'242 | 1'292     | 1'201     | '091   | 1'437            | 9th   | '993            | 28th  | '444            | 1'398 | 1'452     | 1'353     | '099   | '584             | 9th         | 1'151           | 28th  | '433            |
| March     | 1'122 | 1'183     | 1'082     | '101   | 1'433            | 11th  | '909            | 27th  | '524            | 1'287 | 1'337     | 1'243     | '094   | '586             | 11th        | 1'105           | 25th  | '481            |
| April     | '998  | 1'060     | '951      | '109   | 1'198            | 3rd   | '777            | 10th  | '421            | 1'154 | 1'216     | 1'104     | '112   | '337             | 3rd         | '965            | 10th  | '372            |
| May       | '900  | '972      | '854      | '118   | 1'111            | 17th  | '689            | 28th  | '422            | 1'087 | 1'152     | 1'030     | '122   | '285             | 21st        | '868            | 28th  | '417            |
| June      | '779  | '844      | '737      | '107   | '976             | 7th   | '585            | 14th  | '391            | '963  | 1'013     | '906      | '107   | '108             | 10th        | '728            | 14th  | '380            |
| July      | '766  | '816      | '725      | '091   | '912             | 30th  | '629            | 22nd  | '283            | '951  | '994      | '900      | '094   | '099             | 11th        | '782            | 22nd  | '317            |
| August    | '825  | '884      | '780      | '104   | '976             | 12th  | '660            | 1st   | '316            | 1'001 | 1'047     | '949      | '098   | '120             | 30th & 31st | '829            | 1st   | '291            |
| September | '932  | '998      | '888      | '110   | 1'157            | 29th  | '785            | 12th  | '372            | 1'115 | 1'165     | 1'061     | '104   | '328             | 29th        | '966            | 8th   | '362            |
| October   | 1'097 | 1'161     | 1'049     | '112   | 1'255            | 28th  | '935            | 26th  | '320            | 1'275 | 1'332     | 1'226     | '106   | '443             | 28th        | 1'154           | 26th  | '289            |
| November  | 1'243 | 1'306     | 1'195     | '111   | 1'417            | 23rd  | 1'117           | 18th  | '300            | 1'419 | 1'477     | 1'372     | '105   | '573             | 22nd        | 1'295           | 13th  | '278            |
| December  | 1'289 | 1'346     | 1'246     | '100   | 1'429            | 26th  | 1'165           | 23rd  | '264            | 1'466 | 1'519     | 1'422     | '097   | '627             | 26th        | 1'349           | 1st   | '278            |
| Year      | 1'040 | 1'100     | '996      | '104   | 1'609            | ...   | '585            | ...   | 1'024           | 1'213 | 1'267     | 1'164     | '103   | '652             | ...         | '728            | ...   | '924            |

## 27. AGRA.

## 28. LUCKNOW.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.      | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|------------|-----------------|
| January   | 28+   | 29+       | 28+       |        | 29+              |       | 28+             |       |                 | 29+   | 29+       | 29+       |        | 29+              |       | 28+             |            |                 |
| January   | 1'492 | '558      | 1'444     | '114   | '808             | 5th   | 1'276           | 31st  | '532            | '682  | '738      | '642      | '096   | '542             | 5th   | 1'508           | 22nd       | '434            |
| February  | 1'466 | '530      | 1'413     | '117   | '666             | 9th   | 1'182           | 16th  | '484            | '625  | '676      | '583      | '093   | '808             | 20th  | 1'391           | 28th       | '417            |
| March     | 1'328 | '389      | 1'273     | '116   | '645             | 11th  | 1'091           | 27th  | '554            | '509  | '564      | '459      | '105   | '802             | 11th  | 1'302           | 26th       | '500            |
| April     | 1'211 | '278      | 1'155     | '123   | '432             | 3rd   | '981            | 13th  | '451            | '372  | '439      | '317      | '122   | '560             | 3rd   | 1'146           | 11th       | '414            |
| May       | 1'102 | '170      | 1'042     | '128   | '302             | 17th  | '874            | 25th  | '428            | '302  | '362      | '248      | '114   | '498             | 21st  | 1'155           | 28th       | '343            |
| June      | '993  | '047      | '932      | '115   | '188             | 6th   | '692            | 19th  | '496            | '176  | '225      | '120      | '105   | '310             | 9th   | '940            | 14th       | '370            |
| July      | '979  | '021      | '929      | '092   | '129             | 31st  | '783            | 22nd  | '346            | '173  | '215      | '123      | '092   | '292             | 31st  | '991            | 22nd       | '301            |
| August    | 1'042 | '088      | '989      | '099   | '182             | 7th   | '905            | 19th  | '277            | '223  | '267      | '172      | '095   | '355             | 7th   | 1'086           | 26th       | '269            |
| September | 1'166 | '221      | 1'107     | '114   | '355             | 29th  | 1'006           | 12th  | '349            | 330   | '381      | '275      | '106   | '517             | 29th  | 1'193           | 7th & 8th  | '324            |
| October   | 1'300 | '364      | 1'246     | '118   | '477             | 28th  | 1'123           | 26th  | '354            | '482  | '539      | '433      | '106   | '646             | 28th  | 1'358           | 26th       | '288            |
| November  | 1'456 | '522      | 1'403     | '119   | '623             | 23rd  | 1'324           | 18th  | '299            | '628  | '692      | '578      | '114   | '810             | 23rd  | 1'502           | 18th       | '308            |
| December  | 1'509 | '574      | 1'456     | '118   | '659             | 18th  | 1'372           | 23rd  | '287            | '684  | '742      | '636      | '106   | '822             | 19th  | 1'566           | 1st & 28th | '256            |
| Year      | 1'254 | '314      | 1'199     | '114   | '808             | ...   | '692            | ...   | 1'116           | '432  | '487      | '382      | '105   | '942             | ...   | '940            | ...        | 1'002           |



TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

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## 29. GORAKHPUR.

## 30. JHANSI.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean.  | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|--------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 29+   | 29+       | 29+       |        | 29+              |       | 29+             |       |                 | 28+    | 28+       | 28+       |        | 28+              |       | 28+             |       |                 |
| January   | '771  | '836      | '723      | '113   | '1'025           | 4th   | '564            | 24th  | '461            | '1'197 | '1'248    | '1'159    | '089   | '1'475           | 5th   | '963            | 31st  | '512            |
| February  | '706  | '773      | '650      | '123   | '894             | 20th  | '477            | 28th  | '417            | '1'173 | '1'232    | '1'124    | '108   | '1'355           | 20th  | '914            | 28th  | '441            |
| March     | '604  | '667      | '548      | '119   | '909             | 10th  | '365            | 25th  | '544            | '1'034 | '1'090    | '983      | '107   | '1'311           | 11th  | '804            | 27th  | '507            |
| April     | '469  | '541      | '411      | '130   | '629             | 6th   | '259            | 11th  | '370            | '923   | '984      | '874      | '110   | '1'117           | 3rd   | '725            | 11th  | '392            |
| May       | '422  | '489      | '362      | '127   | '602             | 21st  | '242            | 31st  | '360            | '808   | '863      | '758      | '105   | '999             | 18th  | '601            | 26th  | '398            |
| June      | '280  | '341      | '210      | '131   | '454             | 29th  | '097            | 14th  | '357            | '715   | '766      | '657      | '109   | '898             | 10th  | '483            | 19th  | '415            |
| July      | '276  | '325      | '218      | '107   | '433             | 2nd   | '122            | 22nd  | '311            | '691   | '732      | '641      | '091   | '827             | 7th   | '476            | 22nd  | '351            |
| August    | '326  | '380      | '266      | '114   | '484             | 30th  | '163            | 26th  | '321            | '759   | '802      | '709      | '093   | '907             | 7th   | '600            | 20th  | '307            |
| September | '441  | '500      | '378      | '122   | '656             | 29th  | '253            | 8th   | '403            | '877   | '928      | '822      | '106   | '1'033           | 29th  | '744            | 2nd   | '289            |
| October   | '586  | '645*     | '534      | '111   | '746             | 28th  | '437            | 26th  | '309            | '995   | '1'052    | '945      | '107   | '1'166           | 28th  | '833            | 2nd   | '333            |
| November  | '729  | '793      | '678      | '115   | '913             | 23rd  | '607            | 18th  | '306            | '1'143 | '1'206    | '1'093    | '113   | '1'305           | 23rd  | '1'004          | 18th  | '301            |
| December  | '784  | '842      | '735      | '107   | '945             | 26th  | '667            | 12th  | '278            | '1'210 | '1'268    | '1'161    | '107   | '1'347           | 18th  | '1'077          | 23rd  | '270            |
| Year      | '533  | '594      | '476      | '118   | '1'025           | ...   | '097            | ...   | '928            | '960   | '1'014    | '911      | '104   | '1'475           | ...   | '476            | ...   | '999            |

\* Mean of 28 days.

## 31. ALLAHABAD.

## 32. BENARES.

| MONTH.    | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | Range. | Highest reading. | Date.        | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|----------|-----------|-----------|-----------|--------|------------------|--------------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 29+   | 29+      | 29+       | 29+       | 29+       |        | 29+              |              | 28+             |       |                 | 29+   | 29+       | 29+       |        | 29+              |       | 29+             |       |                 |
| January   | '731  | '726     | '800      | '686      | '739      | '114   | '990             | 5th          | '1'532          | 24th  | '458            | '777  | '847      | '726      | '121   | '1'032           | 5th   | '563            | 20th  | '469            |
| February  | '685  | '683     | '757      | '633      | '694      | '124   | '891             | 20th         | '1'441          | 28th  | '450            | '723  | '795      | '665      | '130   | '930             | 20th  | '466            | 28th  | '464            |
| March     | '558  | '561     | '622      | '505      | '574      | '117   | '857             | 11th         | '1'355          | 24th  | '502            | '600  | '664      | '543      | '121   | '899             | 11th  | '393            | 24th  | '506            |
| April     | '433  | '448     | '501      | '373      | '444      | '128   | '646             | 3rd          | '1'213          | 11th  | '433            | '466  | '534      | '410      | '124   | '676             | 3rd   | '249            | 11th  | '427            |
| May       | '340  | '369     | '405      | '271      | '347      | '134   | '524             | 18th         | '1'160          | 27th  | '364            | '378  | '449      | '314      | '135   | '553             | 21st  | '204            | 28th  | '349            |
| June      | '218  | '241     | '271      | '156      | '232      | '115   | '375             | 7th          | '891            | 18th  | '484            | '258  | '310      | '199      | '111   | '429             | 29th  | '026            | 14th  | '403            |
| July      | '219  | '227     | '266      | '168      | '239      | '098   | '364             | 31st         | '983            | 22nd  | '381            | '265  | '308      | '213      | '095   | '404             | 31st  | '050            | 22nd  | '354            |
| August    | '280  | '289     | '329      | '219      | '303      | '110   | '432             | 7th          | '1'105          | 19th  | '327            | '320  | '370      | '264      | '106   | '472             | 7th   | '164            | 19th  | '308            |
| September | '383  | '388     | '440      | '325      | '402      | '115   | '557             | 30th         | '1'233          | 12th  | '324            | '425  | '478      | '367      | '111   | '611             | 30th  | '260            | 12th  | '351            |
| October   | '529  | '538     | '590      | '474      | '542      | '116   | '714             | 28th         | '1'385          | 2nd   | '329            | '570  | '633      | '517      | '116   | '749             | 28th  | '433            | 26th  | '316            |
| November  | '683  | '691     | '753      | '632      | '689      | '121   | '868             | 23rd & 18th. | '1'566          | 18th  | '302            | '728  | '793      | '677      | '116   | '911             | 23rd  | '612            | 18th  | '299            |
| December  | '738  | '731     | '808      | '694      | '751      | '114   | '894             | 27th         | '1'616          | 6th   | '278            | '790  | '848      | '741      | '107   | '940             | 26th  | '671            | 6th   | '279            |
| Year      | '483  | '492     | '545      | '428      | '496      | '117   | '990             | ...          | '891            | ...   | '1'099          | '525  | '586      | '470      | '116   | '1'032           | ...   | '026            | ...   | '1'006          |

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

## 33. GHAZIPUR.

## 34. KATMANDU.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours.     | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|---------------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 29 +  | 29 +      | 29 +      |        | 29 +             |       | 29 +            |       |                 | 25 +  | 25 +          | 25 +      |        | 25 +             |       | 25 +            |       |                 |
| January   | '816  | '873      | '759      | '114   | 1'059            | 5th   | '600            | 20th  | '459            | }     | Not recorded. |           |        |                  |       |                 |       |                 |
| February  | '766  | '824      | '708      | '116   | '955             | 20th  | '507            | 28th  | '448            |       |               |           |        |                  |       |                 |       |                 |
| March     | '658  | '715      | '601      | '114   | 1'021            | 11th  | '413            | 24th  | '608            |       |               |           |        |                  |       |                 |       |                 |
| April     | '525  | '584      | '465      | '119   | '701             | 3rd   | '298            | 11th  | '403            |       |               |           |        |                  |       |                 |       |                 |
| May       | '445  | '510      | '380      | '130   | '615             | 16th  | '263            | 28th  | '352            |       |               |           |        |                  |       |                 |       |                 |
| June      | '319  | '369      | '268      | '101   | '478             | 11th  | '108            | 14th  | '370            | '418  | '458*         | '378*     | '080   | '586             | 20th  | '291            | 15th  | '295            |
| July      | '326  | '373      | '278      | '095   | '476             | 2nd   | '136            | 22nd  | '340            | '411  | '449          | '372      | '077   | '594             | 3rd   | '267            | 22nd  | '327            |
| August    | '373  | '427      | '319      | '108   | '515             | 7th   | '219            | 26th  | '296            | '437  | '478          | '396      | '082   | '562             | 30th  | '306            | 2nd   | '256            |
| September | '474  | '528      | '420      | '108   | '675             | 30th  | '322            | 11th  | '353            | '511  | '548          | '473      | '075   | '655             | 30th  | '359            | 7th   | '296            |
| October   | '632  | '689      | '575      | '114   | '794             | 28th  | '474            | 26th  | '320            | '619  | '671          | '567      | '104   | '754             | 15th  | '427            | 26th  | '327            |
| November  | '783  | '842      | '724      | '118   | '962             | 23rd  | '653            | 8th   | '309            | '692  | '746          | '638†     | '108   | '854             | 23rd  | '560            | 18th  | '294            |
| December  | '842  | '896      | '787      | '109   | '998             | 26th  | '706            | 6th   | '292            | '665  | '711          | '618      | '093   | '809             | 10th  | '563            | 5th   | '246            |
| Year      | '580  | '636      | '524      | '112   | 1'059            | ...   | '108            | ...   | '951            | ?     | ?             | ?         | ?      | ?                | ...   | ?               | ...   | ?               |

\* Mean of 24 days.

† " " 29 "

## 35. SIBSAGAR.

## 36. TEZPUR.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 29 +  | 29 +      | 29 +      |        | 29 +             |       | 29 +            |       |                 | 29 +  | 29 +      | 29 +      |        | 29 +             |       | 29 +            |       |                 |
| January   | '721  | '787      | '641      | '146   | '974             | 4th   | '416            | 21st  | '558            | '838  | '903      | '772      | '131   | 1'320            | 4th   | '513            | 21st  | '807            |
| February  | '653  | '723      | '570      | '153   | '819             | 20th  | '447            | 3rd   | '372            | '719  | '785      | '653      | '132   | '913             | 5th   | '513            | 3rd   | '400            |
| March     | '581  | '648      | '498      | '150   | '841             | 10th  | '246            | 25th  | '595            | '612  | '681      | '542      | '139   | '863             | 10th  | '294            | 24th  | '569            |
| April     | '498  | '565      | '423      | '142   | '673             | 21st  | '239            | 15th  | '434            | '565  | '619      | '510      | '109   | '754             | 23rd  | '306            | 15th  | '448            |
| May       | '456  | '528      | '382      | '146   | '646             | 1st   | '264            | 7th   | '382            | '519  | '588      | '449      | '139   | '704             | 20th  | '289            | 9th   | '415            |
| June      | '300  | '359      | '232      | '127   | '516             | 10th  | '054            | 15th  | '462            | '364  | '420      | '308      | '112   | '542             | 10th  | '147            | 15th  | '395            |
| July      | '280  | '342      | '210      | '132   | '442             | 30th  | '116            | 17th  | '326            | '359  | '407      | '310      | '097   | '524             | 31st  | '220            | 19th  | '304            |
| August    | '328  | '387      | '264      | '123   | '455             | 30th  | '166            | 1st   | '289            | '433  | '487      | '378      | '109   | '662             | 12th  | '262            | 25th  | '400            |
| September | '418  | '476      | '356      | '120   | '605             | 30th  | '242            | 12th  | '363            | '522  | '571      | '472      | '099   | '750             | 30th  | '339            | 11th  | '411            |
| October   | '550  | '614      | '478      | '136   | '716             | 28th  | '403            | 19th  | '313            | '628  | '673      | '582      | '091   | '766             | 6th   | '467            | 20th  | '299            |
| November  | '697  | '760      | '616      | '144   | '906             | 23rd  | '543            | 18th  | '363            | '798  | '852      | '744      | '108   | '994             | 22nd  | '671            | 6th   | '323            |
| December  | '743  | '807      | '666      | '141   | '883             | 18th  | '568            | 15th  | '315            | '853  | '902      | '803      | '099   | 1'007            | 18th  | '697            | 6th   | '310            |
| Year      | '519  | '583      | '445      | '138   | '974             | ...   | '054            | ...   | '920            | '601  | '657      | '544      | '114   | 1'320            | ...   | '147            | ...   | 1'173           |

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

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## 37. DHUBRI.

## 38. SILCHAR.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.       | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------------|-----------------|
| January   | 29+   | 29+       | 29+       |        | 29+              |       | 29+             |       |                 | 29+   | 29+       | 29+       |        | 29+              |       | 29+             |             |                 |
| January   | '922  | '992      | '851      | '141   | 1'169            | 4th   | '664            | 21st  | '505            | '930  | '998      | '862      | '136   | 1'162            | 4th   | '729            | 24th        | '433            |
| February  | '855  | '933      | '777      | '156   | 1'057            | 20th  | '619            | 28th  | '438            | '881  | '956      | '808      | '148   | 1'060            | 21st  | '678            | 28th        | '382            |
| March     | '759  | '837      | '681      | '156   | 1'060            | 10th  | '469            | 25th  | '591            | '804  | '880      | '735      | '145   | 1'037            | 10th  | '601            | 24th        | '436            |
| April     | '660  | '733      | '586      | '147   | '849             | 6th   | '420            | 14th  | '429            | '720  | '786      | '654      | '132   | '867             | 22nd  | '526            | 14th        | '341            |
| May       | '638  | '707      | '569      | '138   | '832             | 22nd  | '445            | 8th   | '387            | '661  | '729      | '591      | '138   | '837             | 1st   | '473            | 28th        | '364            |
| June      | '489  | '542      | '436      | '106   | '653             | 10th  | '290            | 15th  | '363            | '530  | '580      | '467      | '113   | '728             | 20th  | '295            | 14th        | '433            |
| July      | '472  | '524      | '419      | '105   | '655             | 30th  | '318            | 25th  | '337            | '528  | '575      | '460      | '115   | '705             | 30th  | '359            | 16th        | '346            |
| August    | '523  | '579      | '467      | '112   | '668             | 30th  | '355            | 1st   | '313            | '569  | '624      | '498      | '126   | '716             | 30th  | '395            | 16th        | '321            |
| September | '622  | '686      | '558      | '128   | '815             | 29th  | '446            | 12th  | '369            | '659  | '717      | '591      | '126   | '806             | 30th  | '505            | 11th        | '301            |
| October   | '744  | '811      | '677      | '134   | '923             | 28th  | '586            | 26th  | '337            | '751  | '810      | '682      | '128   | '949             | 24th  | '574            | 19th        | '375            |
| November  | '876  | '941      | '810      | '131   | 1'071            | 23rd  | '738            | 18th  | '333            | '863  | '927      | '800      | '127   | 1'037            | 23rd  | '737            | 5th & 17th. | '300            |
| December  | '934  | 1'002     | '865      | '137   | 1'094            | 26th  | '725            | 1st   | '369            | '930  | '994      | '865      | '129   | 1'099            | 27th  | '758            | 6th         | '341            |
| Year      | '708  | '774      | '641      | '133   | 1'169            | ...   | '290            | ...   | '879            | '736  | '798      | '668      | '130   | 1'162            | ...   | '295            | ...         | '867            |

## 39. DARJEELING.

## 40. PEDONG.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.       | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------------|-----------------|
| January   | 22+   | 22+       | 22+       |        | 22+              |       | 22+             |       |                 | 25+   | 25+       | 25+       |        | 25+              |       | 24+             |             |                 |
| January   | '985  | 1'016*    | '953†     | '063   | 1'177            | 4th   | '802            | 28th  | '375            | '325  | '377**    | '273      | '104   | '560             | 4th   | 1'113           | 21st        | '447            |
| February  | '928  | '962      | '893      | '069   | 1'040            | 21st  | '764            | 4th   | '276            | '271  | '323      | '218      | '105   | '418             | 21st  | 1'116           | 4th         | '302            |
| March     | '967  | 1'006†    | '928*     | '078   | 1'150            | 10th  | '783            | 24th  | '367            | '270  | '324      | '216      | '108   | '511             | 10th  | 1'123           | 27th        | '388            |
| April     | '933  | '977*     | '888§     | '089   | 1'105            | 27th  | '776            | 11th  | '329            | '217  | '263      | '170††    | '093   | '411             | 29th  | 1'045           | 15th        | '366            |
| May       | '942  | '981      | '903      | '078   | 1'087            | 22nd  | '788            | 27th  | '299            | '207  | '258      | '156      | '102   | '356             | 16th  | 1'047           | 9th         | '309            |
| June      | '876  | '910      | '842*     | '068   | '995             | 10th  | '718            | 26th  | '277            | '107  | '149      | '064      | '085   | '252             | 10th  | '939            | 26th        | '313            |
| July      | '859  | '891      | '826‡     | '065   | '971             | 30th  | '764            | 25th  | '207            | '090  | '131      | '048      | '083   | '226             | 30th  | '976            | 25th        | '250            |
| August    | '892  | '929      | '854‡     | '075   | 1'014            | 30th  | '786            | 1st   | '228            | '127  | '175      | '079      | '096   | '266             | 30th  | 1'001           | 1st         | '265            |
| September | '960  | 1'001     | '919¶     | '082   | 1'107            | 29th  | '814            | 8th   | '293            | '210  | '260      | '159      | '101   | '389             | 29th  | 1'058           | 8th & 12th. | '331            |
| October   | 1'023 | 1'062‡    | '983¶     | '079   | 1'117            | 4th   | '907            | 25th  | '210            | '305  | '357      | '252      | '105   | '436             | 24th  | 1'133           | 26th        | '303            |
| November  | 1'042 | 1'086     | '998*     | '088   | 1'224            | 23rd  | '925            | 3rd   | '299            | '370  | '420      | '319††    | '101   | '552             | 23rd  | 1'244           | 18th        | '308            |
| December  | 1'006 | 1'045     | '967      | '078   | 1'132            | 11th  | '895            | 30th  | '237            | '359  | '411      | '307      | '104   | '494             | 26th  | 1'213           | 12th        | '281            |
| Year      | '951  | '989      | '913      | '076   | 1'224            | ...   | '718            | ...   | '506            | '238  | '287      | '188      | '099   | '560             | ...   | '939            | ...         | '621            |

\* Mean of 29 days.

§ Mean of 25 days.

\*\* Mean of 30 days.

†† Mean of 28 days.

† " " 26 "

¶ " " 27 "

†† " " 29 "

‡ " " 30 "

¶ " " 28 "

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

## 41. PURNEAH.

## 42. DURBHUNG.

| Month.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.       | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.       | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------------|-----------------|
|           | 29+   | 29+       | 29+       |        | 29+              |       | 29+             |             |                 | 29+   | 29+       | 29+       |        | 29+              |       | 29+             |             |                 |
| January   | '909  | '986      | '847      | '139   | 1'155            | 4th   | '670            | 24th        | '485            | '881  | '951      | '820      | '131   | 1'133            | 4th   | '654            | 21st & 24th | '479            |
| February  | '839  | '920      | '777      | '143   | 1'052            | 20th  | '598            | 28th        | '454            | '807  | '881†     | '747‡     | '134   | 1'022            | 21st  | '569            | 28th        | '453            |
| March     | '738  | '816      | '667      | '149   | 1'037            | 10th  | '471            | 25th        | '566            | '708  | '776§     | '647§     | '129   | '997             | 10th  | '444            | 25th        | '553            |
| April     | '617  | '690      | '546      | '144   | '802             | 29th  | '386            | 14th        | '416            | '579  | '649      | '511      | '138   | '759             | 6th   | '352            | 14th        | '407            |
| May       | '588  | '656      | '512*     | '144   | '764             | 16th  | '386            | 9th         | '378            | '537  | '607      | '464      | '143   | '705             | 16th  | '334            | 31st        | '371            |
| June      | '447  | '495      | '382      | '113   | '618             | 21st  | '233            | 15th        | '385            | '388  | '445      | '329      | '116   | '569             | 10th  | '205            | 14th        | '364            |
| July      | '435  | '481      | '375      | '106   | '605             | 2nd   | '286            | 19th & 26th | '319            | '381  | '430      | '324      | '106   | '533             | 2nd   | '222            | 19th & 22nd | '311            |
| August    | '496  | '547      | '433      | '114   | '642             | 14th  | '322            | 25th        | '320            | '437  | '495      | '378      | '117   | '593             | 7th   | '283            | 1st         | '310            |
| September | '595  | '648      | '530      | '118   | '812             | 29th  | '387            | 8th         | '425            | '541  | '600      | '479      | '121   | '763             | 29th  | '345            | 8th         | '418            |
| October   | '733  | '800      | '672      | '128   | '889             | 28th  | '573            | 26th        | '316            | '686  | '756      | '623      | '133   | '870             | 28th  | '522            | 26th        | '348            |
| November  | '869  | '940      | '808      | '132   | 1'066            | 23rd  | '744            | 18th        | '322            | '828  | '962      | '767      | '135   | 1'026            | 23rd  | '696            | 18th        | '330            |
| December  | '925  | '998      | '867      | '131   | 1'095            | 26th  | '720            | 2nd         | '375            | '886  | '955      | '828      | '127   | 1'055            | 26th  | '762            | 29th        | '293            |
| Year      | '683  | '748      | '618      | '130   | 1'155            | ...   | '233            | ...         | '922            | '638  | '704      | '576      | '128   | 1'133            | ...   | '205            | ...         | '928            |

\* Mean of 30 days.

† Mean of 27 days.

‡ " " 26 "

§ Mean of 29 days.

## 43. PATNA.

| Month.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 29+   | 29+       | 29+       |        | 29+              |       | 29+             |       |                 |
| January   | '879  | '947      | '821      | '126   | 1'130            | 5th   | '646            | 24th  | '484            |
| February  | '808  | '884      | '746      | '138   | 1'016            | 21st  | '560            | 28th  | '456            |
| March     | '690  | '761      | '627      | '134   | '992             | 11th  | '428            | 31st  | '564            |
| April     | '559  | '629      | '490      | '139   | '732             | 3rd   | '331            | 11th  | '401            |
| May       | '509  | '576      | '439      | '137   | '685             | 6th   | '334            | 31st  | '351            |
| June      | '366  | '425      | '305      | '120   | '534             | 10th  | '164            | 15th  | '370            |
| July      | '371  | '421      | '313      | '108   | '544             | 2nd   | '180            | 22nd  | '364            |
| August    | '420  | '476      | '364      | '112   | '589             | 7th   | '265            | 25th  | '324            |
| September | '520  | '575      | '462      | '113   | '733             | 29th  | '323            | 10th  | '410            |
| October   | '668  | '734      | '609      | '125   | '845             | 28th  | '508            | 26th  | '337            |
| November  | '815  | '887      | '756      | '131   | 1'006            | 23rd  | '683            | 18th  | '323            |
| December  | '876  | '945      | '819      | '126   | 1'050            | 26th  | '733            | 1st   | '317            |
| Year      | '623  | '688      | '563      | '126   | 1'130            | ...   | '164            | ...   | '966            |

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

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## 44. HAZARIBAGH.

## 45. BERHAMPORE.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 27 +  | 27 +      | 27 +      |        | 27 +             |       | 27 +            |       |                 | 29 +  | 29 +      | 29 +      |        | 29 +             |       | 29 +            |       |                 |
| January   | '982  | 1'036     | '937      | '099   | 1'200            | 5th   | '796            | 24th  | '404            | '967  | 1'046     | '912      | '134   | 1'194            | 4th   | '727            | 21st  | '467            |
| February  | '945  | '997      | '899      | '098   | 1'096            | 21st  | '764            | 28th  | '332            | '904  | '991      | '841      | '150   | 1'124            | 20th  | '664            | 28th  | '460            |
| March     | '869  | '922      | '822      | '100   | 1'103            | 11th  | '667            | 25th  | '436            | '803  | '885      | '740      | '145   | 1'101            | 10th  | '530            | 25th  | '571            |
| April     | '784  | '833      | '734      | '099   | '902             | 3rd   | '605            | 11th  | '297            | '683  | '757      | '610      | '147   | '852             | 6th   | '448            | 11th  | '404            |
| May       | '714  | '765      | '655      | '110   | '853             | 21st  | '539            | 28th  | '314            | '644  | '712      | '568      | '144   | '807             | 21st  | '414            | 3rd   | '393            |
| June      | '596  | '635      | '542      | '093   | '733             | 10th  | '293            | 17th  | '440            | '505  | '553      | '442      | '111   | '678             | 10th  | '234            | 16th  | '444            |
| July      | '583  | '616      | '533      | '083   | '714             | 31st  | '383            | 22nd  | '331            | '496  | '543      | '437      | '106   | '659             | 2nd   | '336            | 22nd  | '323            |
| August    | '638  | '682      | '587      | '095   | '798             | 7th   | '484            | 18th  | '314            | '559  | '607      | '496      | '111   | '706             | 7th   | '389            | 25th  | '317            |
| September | '719  | '766      | '667      | '099   | '886             | 29th  | '560            | 12th  | '326            | '647  | '701      | '589      | '112   | '850             | 29th  | '469            | 12th  | '381            |
| October   | '858  | '908      | '803      | '105   | 1'016            | 28th  | '732            | 26th  | '284            | '787  | '854      | '729      | '125   | '954             | 28th  | '645            | 26th  | '309            |
| November  | '966  | 1'018     | '922      | '096   | 1'117            | 23rd  | '854            | 18th  | '263            | '912  | '979      | '859      | '120   | 1'087            | 23rd  | '787            | 5th   | '300            |
| December  | 1'001 | 1'054     | '964      | '090   | 1'162            | 26th  | '893            | 1st   | '269            | '972  | 1'045     | '919      | '126   | 1'149            | 26th  | '800            | 12th  | '349            |
| Year      | '805  | '853      | '755      | '097   | 1'200            | ...   | '293            | ...   | '907            | '740  | '806      | '679      | '128   | 1'194            | ...   | '234            | ...   | '960            |

## 46. BURDWAN.

## 47. JESSORE.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 29 +  | 29 +      | 29 +      |        | 29 +             |             | 29 +            |       |                 | 29 +  | 29 +      | 29 +      |        | 29 +             |       | 29 +            |       |                 |
| January   | '937  | 1'018     | '880      | '138   | 1'173            | 4th         | '701            | 24th  | '472            | '992  | 1'069     | '938      | '131   | 1'205            | 4th   | '762            | 21st  | '443            |
| February  | '881  | '968      | '817      | '151   | 1'106            | 20th        | '648            | 28th  | '458            | '940  | 1'024     | '879      | '145   | 1'164            | 20th  | '703            | 28th  | '461            |
| March     | '779  | '850      | '717      | '143   | 1'079            | 10th        | '526            | 25th  | '553            | '845  | '929      | '781*     | '148   | 1'129            | 10th  | '560            | 25th  | '569            |
| April     | '654  | '728      | '581      | '147   | '817             | 6th         | '414            | 11th  | '403            | '733  | '804      | '663      | '141   | '889             | 27th  | '489            | 11th  | '400            |
| May       | '611  | '674      | '539      | '135   | '775             | 21st        | '407            | 9th   | '368            | '698  | '761      | '626      | '135   | '849             | 22nd  | '487            | 9th   | '362            |
| June      | '468  | '515      | '406      | '109   | '641             | 10th & 20th | '080            | 16th  | '561            | '552  | '598      | '493      | '105   | '727             | 20th  | '268            | 16th  | '459            |
| July      | '462  | '507      | '405      | '102   | '634             | 6th         | '276            | 24th  | '358            | '545  | '588      | '490      | '098   | '708             | 6th   | '382            | 17th  | '326            |
| August    | '531  | '578      | '471      | '107   | '675             | 7th         | '373            | 18th  | '302            | '607  | '654      | '547      | '107   | '757             | 8th   | '456            | 25th  | '301            |
| September | '612  | '665      | '554      | '111   | '814             | 29th        | '432            | 12th  | '382            | '685  | '739      | '627      | '112   | '853             | 30th  | '523            | 12th  | '330            |
| October   | '749  | '816      | '691      | '125   | '929             | 28th        | '598            | 26th  | '331            | '815  | '882      | '758      | '124   | '987             | 28th  | '687            | 2nd   | '300            |
| November  | '868  | '951      | '802      | '149   | 1'059            | 15th        | '688            | 5th   | '371            | '932  | '997      | '881      | '116   | 1'094            | 23rd  | '803            | 18th  | '291            |
| December  | '942  | 1'016     | '888      | '128   | 1'122            | 26th        | '800            | 7th   | '322            | 1'003 | 1'073     | '952      | '121   | 1'174            | 26th  | '858            | 1st   | '316            |
| Year      | '708  | '775      | '646      | '129   | 1'173            | ...         | '080            | ...   | 1'093           | '779  | '843      | '720      | '124   | 1'205            | ...   | '268            | ...   | '937            |

\* Mean of 30 days.

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

## 48. DACCA.

## 49. CHITTAGONG.

| MONTH.     | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.     | Lowest reading. | Date. | Absolute range. |
|------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-----------|-----------------|-------|-----------------|
|            | 29 +  | 29 +      | 29 +      |        | 29 +             |       | 29 +            |       |                 | 29 +  | 29 +      | 29 +      |        | 29 +             |           | 29 +            |       |                 |
| January .  | 1'008 | 1'074     | 1'049     | 1'125  | 1'197            | 4th   | 777             | 24th  | 420             | 937   | 995       | 880       | 115    | 1'120            | 9th       | 748             | 24th  | 372             |
| February . | 959   | 1'030     | 897       | 133    | 1'152            | 20th  | 754             | 28th  | 398             | 902   | 967       | 846       | 121    | 1'051            | 20th      | 741             | 2nd   | 310             |
| March .    | 875   | 944       | 811       | 133    | 1'131            | 10th  | 643             | 24th  | 488             | 833   | 892       | 783       | 109    | 1'035            | 10th      | 657             | 24th  | 378             |
| April .    | 764   | 826       | 705       | 121    | 912              | 27th  | 576             | 14th  | 336             | 750   | 807       | 702       | 105    | 903              | 22nd      | 600             | 11th  | 303             |
| May .      | 725   | 786       | 662       | 124    | 862              | 21st  | 542             | 9th   | 320             | 687   | 743       | 631       | 112    | 882              | 5th       | 522             | 31st  | 360             |
| June .     | 585   | 626       | 531       | 95     | 752              | 20th  | 371             | 14th  | 381             | 564   | 606       | 509       | 97     | 701              | 10th      | 328             | 14th  | 373             |
| July .     | 581   | 619       | 526*      | 93     | 743              | 30th  | 429             | 16th  | 314             | 560   | 595       | 511       | 84     | 728              | 30th      | 374             | 16th  | 354             |
| August .   | 633   | 675       | 575       | 100    | 757              | 30th  | 480             | 26th  | 277             | 611   | 651       | 557       | 94     | 764              | 7th & 8th | 476             | 25th  | 288             |
| September  | 717   | 707       | 654       | 113    | 874              | 30th  | 554             | 8th   | 320             | 682   | 732       | 623       | 109    | 815              | 30th      | 530             | 11th  | 285             |
| October .  | 826   | 886       | 765       | 121    | 999              | 28th  | 681             | 19th  | 318             | 765   | 823       | 705       | 118    | 950              | 24th      | 598             | 19th  | 352             |
| November   | 948   | 1'005     | 892       | 113    | 1'105            | 23rd  | 818             | 18th  | 287             | 867   | 924       | 811       | 113    | 1'028            | 23rd      | 742             | 17th  | 286             |
| December   | 1'015 | 1'075     | 958       | 117    | 1'171            | 27th  | 861             | 6th   | 310             | 940   | 998       | 884       | 114    | 1'100            | 27th      | 782             | 6th   | 318             |
| Year .     | 803   | 859       | 744       | 116    | 1'197            | ...   | 371             | ...   | 826             | 759   | 811       | 704       | 108    | 1'120            | ...       | 328             | ...   | 792             |

\* Mean of 30 days.

50. CALCUTTA (*Alipore.*)

## 51. SAUGOR ISLAND.

| MONTH.    | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | Range. | Highest reading. | Date and hour.          | Lowest reading. | Date and hour. | Absolute range. | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date and hour. | Absolute range. |
|-----------|-------|----------|-----------|-----------|-----------|--------|------------------|-------------------------|-----------------|----------------|-----------------|-------|----------|-----------|-----------|-----------|--------|------------------|-------|-----------------|----------------|-----------------|
|           | 29 +  | 29 +     | 29 +      | 29 +      | 29 +      |        | 29 +             |                         | 29 +            |                |                 | 29 +  | 29 +     | 29 +      | 29 +      | 29 +      |        | 29 +             |       | 29 +            |                |                 |
| January . | 1'014 | 1'013    | 1'087     | 963       | 1'027     | 124    | 1'234            | 4th, 10h.               | 783             | 24th, 16h.     | 451             | 1'008 | 981      | 1'078     | 944       | 1'028     | 134    | 1'224            | 5th   | 779             | 24th, 16h.     | 445             |
| February  | 966   | 962      | 1'045     | 909       | 975       | 136    | 1'185            | 20th, "                 | 749             | 28th, "        | 436             | 958   | 920      | 1'033     | 897       | 980       | 136    | 1'148            | 20th  | 736             | 28th, "        | 412             |
| March .   | 867   | 869      | 935       | 814       | 885       | 121    | 1'144            | 10th, "                 | 617             | 25th, "        | 527             | 864   | 826      | 933       | 809       | 886       | 124    | 1'134            | 10th  | 636             | 25th, "        | 498             |
| April .   | 744   | 752      | 806       | 686       | 766       | 120    | 893              | 6th, "                  | 533             | 11th, "        | 360             | 745   | 710      | 812       | 693       | 766       | 119    | 911              | 22nd  | 466             | 12th, 4h.      | 445             |
| May .     | 699   | 715      | 755       | 637       | 721       | 118    | 848              | 21st, "                 | 511             | 31st, "        | 337             | 699   | 679      | 750       | 642*      | 724*      | 108    | 835              | 16th  | 535             | 9th, 16h.      | 300             |
| June .    | 547   | 552      | 586       | 497       | 577       | 98     | 708              | 10th, "                 | 117             | 16th, 6h.      | 591             | 555   | 536†     | 590†      | 510†      | 583†      | 98     | 708              | 29th  | 101             | 16th, 10h.     | 607             |
| July .    | 547   | 551      | 585       | 499       | 578       | 98     | 716              | 5th, 10h. and 6th, 22h. | 367             | 22nd, 16h.     | 349             | 553   | 528      | 591       | 508       | 585       | 98     | 755              | 6th   | 349             | 17th, 16h.     | 406             |
| August .  | 612   | 611      | 653       | 556       | 646       | 97     | 772              | 7th, 10h.               | 456             | 18th, "        | 316             | 617   | 590      | 662       | 560       | 654       | 102    | 833              | 8th   | 436             | 18th, "        | 397             |
| September | 687   | 687      | 735       | 637       | 719       | 98     | 879              | 29th, "                 | 520             | 8th, "         | 359             | 688   | 659      | 739       | 627       | 726       | 112    | 879              | 29th  | 517             | 8th, "         | 362             |
| October . | 825   | 836      | 886       | 767       | 848       | 119    | 995              | 28th, "                 | 682             | 26th, "        | 313             | 827   | 798      | 888       | 762       | 860       | 126    | 1'036            | 28th  | 675             | 26th, "        | 361             |
| November  | 950   | 958      | 1'012     | 897       | 973       | 115    | 1'108            | 23rd, "                 | 819             | 18th, "        | 289             | 946   | 915      | 1'009     | 883       | 975       | 126    | 1'101            | 23rd  | 795             | 8th, 4h.       | 306             |
| December  | 1'020 | 1'020    | 1'088     | 967       | 1'042     | 121    | 1'197            | 26th, "                 | 878             | 1st, "         | 319             | 1'020 | 995      | 1'081     | 959       | 1'044     | 122    | 1'188            | 27th  | 863             | 7th, 16h.      | 325             |
| Year .    | 790   | 794      | 848       | 736       | 813       | 112    | 1'234            | ...                     | 117             | ...            | 1'117           | 790   | 761      | 847       | 733       | 818       | 114    | 1'224            | ...   | 101             | ...            | 1'123           |

\* Mean of 30 days.

† " " 28 "

‡ " " 29 "

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

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## 52. CUTTACK.

## 53. FALSE POINT.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 29 +  | 29 +      | 29 +      |        | 29 +             |             | 29 +            |       |                 | 29 +  | 29 +      | 29 +      |        | 29 +             |       | 29 +            |       |                 |
| January   | '965  | 1'024     | '908*     | '116   | 1'179            | 5th         | '739            | 25th  | '440            | 1'035 | 1'091     | '978†     | '113   | 1'262            | 5th   | '809            | 24th  | '453            |
| February  | '919  | '982      | '854†     | '128   | 1'094            | 10th & 20th | '747            | 26th  | '347            | '989  | 1'049     | '930      | '119   | 1'161            | 20th  | '779            | 28th  | '382            |
| March     | '801  | '866      | '728      | '138   | 1'036            | 10th        | '548            | 25th  | '488            | '896  | '954      | '840      | '114   | 1'136            | 10th  | '634            | 25th  | '502            |
| April     | '704  | '764      | '634      | '130   | '848             | 6th         | '465            | 11th  | '383            | '781  | '839      | '725      | '114   | '922             | 22nd  | '581            | 11th  | '341            |
| May       | '626  | '681      | '551      | '130   | '780             | 21st        | '425            | 9th   | '355            | '713  | '765      | '656      | '109   | '862             | 16th  | '524            | 31st  | '338            |
| June      | '494  | '535      | '434      | '101   | '663             | 10th        | '187            | 16th  | '476            | '558  | '597      | '510      | '087   | '708             | 10th  | '253            | 16th  | '455            |
| July      | '493  | '531      | '437      | '094   | '683             | 31st        | '310            | 22nd  | '373            | '561  | '601      | '511      | '090   | '755             | 6th   | '361            | 17th  | '394            |
| August    | '543  | '586      | '486      | '100   | '725             | 7th         | '263            | 18th  | '462            | '619  | '660      | '566      | '094   | '795             | 7th   | '352            | 18th  | '443            |
| September | '617  | '662      | '561      | '101   | '751             | 26th        | '460            | 12th  | '291            | '682  | '735      | '623      | '112   | '832             | 4th   | '470            | 9th   | '362            |
| October   | '758  | '813      | '703      | '110   | '936             | 28th        | '609            | 26th  | '327            | '826  | '880      | '773      | '107   | 1'002            | 28th  | '701            | 26th  | '301            |
| November  | '900  | '953      | '846      | '107   | 1'029            | 29th        | '771            | 9th   | '258            | '950  | 1'001     | '898      | '103   | 1'077            | 29th  | '795            | 8th   | '282            |
| December  | '965  | 1'022     | '910      | '112   | 1'142            | 27th        | '832            | 8th   | '310            | 1'032 | 1'085     | '979      | '106   | 1'192            | 27th  | '891            | 7th   | '301            |
| Year      | '732  | '785      | '671      | '114   | 1'179            | ...         | '187            | ...   | '992            | '804  | '855      | '749      | '106   | 1'262            | ...   | '253            | ...   | 1'009           |

\* Mean of 26 days.

† " " 25 "

‡ Mean of 30 days.

## 54. SAMBALPUR.

## 55. RAIPUR.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.      | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.     | Lowest reading. | Date.       | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|------------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-----------|-----------------|-------------|-----------------|
|           | 29 +  | 29 +      | 29 +      |        | 29 +             |            | 28 +            |       |                 | 28 +  | 28 +      | 28 +      |        | 28 +             |           | 28 +            |             |                 |
| January   | '545  | '613      | '476      | '137   | '763             | 5th        | 1'313           | 24th  | '450            | 1'029 | 1'096     | '962      | '134   | 1'259            | 5th       | '811            | 24th        | '448            |
| February  | '494  | '567      | '420      | '147   | '649             | 7th & 8th  | 1'246           | 28th  | '403            | '994  | 1'064     | '924      | '140   | 1'163            | 20th      | '777            | 28th        | '386            |
| March     | '391  | '468      | '314      | '154   | '629             | 12th       | 1'155           | 25th  | '474            | '897  | '970      | '824      | '146   | 1'143            | 12th      | '661            | 25th        | '482            |
| April     | '275  | '351      | '198      | '153   | '445             | 4th        | 1'089           | 11th  | '356            | '789  | '864      | '713      | '151   | '952             | 4th & 5th | '607            | 11th        | '345            |
| May       | '195  | '272      | '117      | '155   | '367             | 21st       | 1'019           | 12th  | '348            | '687  | '765      | '609      | '156   | '862             | 1st       | '476            | 28th        | '386            |
| June      | '101  | '155      | '046      | '109   | '249             | 10th       | '827            | 17th  | '422            | '597  | '658      | '536*     | '122   | '735             | 10th      | '328            | 17th        | '407            |
| July      | '096  | '143      | '048      | '095   | '289             | 6th & 31st | '898            | 18th  | '391            | '592  | '644      | '539      | '105   | '790             | 31st      | '393            | 21st & 22nd | '397            |
| August    | '146  | '200      | '092      | '108   | '316             | 8th        | '896            | 18th  | '420            | '643  | '702      | '584      | '118   | '825             | 8th       | '381            | 19th        | '444            |
| September | '227  | '286      | '167      | '119   | '367             | 27th       | 1'073           | 11th  | '294            | '727  | '789      | '664      | '125   | '868             | 4th       | '568            | 1st         | '300            |
| October   | '355  | '419      | '290      | '129   | '538             | 28th       | 1'219           | 26th  | '319            | '830  | '899      | '761      | '138   | 1'020            | 28th      | '687            | 26th        | '333            |
| November  | '493  | '556      | '429      | '127   | '641             | 29th       | 1'349           | 8th   | '292            | '974  | 1'037     | '911      | '126   | 1'119            | 29th      | '821            | 9th         | '298            |
| December  | '566  | '630      | '502      | '128   | '745             | 26th       | 1'433           | 7th   | '312            | 1'045 | 1'107     | '982      | '125   | 1'209            | 26th      | '909            | 8th         | '300            |
| Year      | '324  | '388      | '258      | '130   | '763             | ...        | '827            | ...   | '936            | '817  | '883      | '751      | '132   | 1'259            | ...       | '328            | ...         | '931            |

\* Mean of 29 days.



## 56. NAGPUR.

## 57. SEONI.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.     | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.        | Lowest reading. | Date.       | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-----------|-----------------|-------|-----------|-----------|--------|------------------|--------------|-----------------|-------------|-----------------|
|           | 28 +  | 28 +      | 28 +      |        | 28 +             |       | 28 +            |           |                 | 27 +  | 27 +      | 27 +      |        | 27 +             |              | 27 +            |             |                 |
| January   | '963  | 1'029     | '896      | '133   | 1'209            | 5th   | '729            | 25th      | '480            | '969  | 1'026     | '912      | '114   | 1'205            | 5th          | '762            | 25th        | '443            |
| February  | '934  | 1'007     | '860      | '147   | 1'102            | 20th  | '731            | 28th      | '371            | '945  | 1'003     | '886      | '117   | 1'099            | 20th         | '771            | 27th        | '328            |
| March     | '827  | '902      | '751      | '151   | 1'083            | 12th  | '615            | 25th      | '468            | '849  | '910      | '787      | '123   | 1'072            | 12th         | '661            | 25th        | '411            |
| April     | '731  | '807      | '655      | '152   | '893             | 4th   | '552            | 11th      | '341            | '770  | '829      | '711      | '118   | '915             | 19th         | '617            | 11th        | '298            |
| May       | '628  | '702      | '553      | '149   | '800             | 1st   | '420            | 28th      | '380            | '675  | '734      | '615      | '119   | '825             | 1st          | '474            | 28th        | '351            |
| June      | '554  | '610      | '497      | '113   | '699             | 24th  | '311            | 18th      | '388            | '581  | '630      | '532      | '098   | '724             | 11th         | '361            | 17th        | '363            |
| July      | '556  | '607      | '505      | '102   | '743             | 7th   | '358            | 22nd      | '385            | '568  | '611      | '524      | '087   | '754             | 31st         | '302            | 22nd        | '452            |
| August    | '607  | '661      | '553      | '108   | '772             | 7th   | '381            | 19th      | '391            | '626  | '674      | '577      | '097   | '789             | 7th          | '408            | 19th        | '381            |
| September | '690  | '753      | '627      | '126   | '817             | 27th  | '531            | 2nd       | '286            | '717  | '768      | '665      | '103   | '838             | 26th & 27th. | '547            | 1st         | '291            |
| October   | '773  | '834      | '712      | '122   | '954             | 28th  | '624            | 1st       | '330            | '800  | '856      | '744      | '112   | '961             | 28th         | '654            | 2nd         | '307            |
| November  | '921  | '982      | '859      | '123   | 1'062            | 29th  | '777            | 9th       | '285            | '936  | '987      | '884      | '103   | 1'052            | 23rd         | '818            | 9th & 18th. | '234            |
| December  | '994  | 1'059     | '928      | '131   | 1'152            | 27th  | '857            | 1st & 8th | '295            | '979  | 1'031     | '926      | '105   | 1'117            | 26th         | '841            | 9th         | '276            |
| Year      | '765  | '829      | '700      | '130   | 1'209            | ...   | '311            | ...       | '898            | '785  | '838      | '730      | '108   | 1'205            | ...          | '302            | ...         | '903            |

## 58. JUBBULPORE.

## 59. SAUGOR.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 28 +  | 28 +      | 28 +      |        | 28 +             |       | 28 +            |       |                 | 27 +  | 27 +      | 27 +      |        | 27 +             |       | 27 +            |       |                 |
| January   | '663  | '727      | '599      | '128   | '866             | 9th   | '433            | 22nd  | '433            | 1'222 | 1'279     | 1'165     | '114   | 1'457            | 5th   | 1'013           | 31st  | '444            |
| February  | '647  | '712      | '581      | '131   | '816             | 20th  | '425            | 28th  | '391            | 1'213 | 1'273     | 1'153     | '120   | 1'372            | 20th  | 1'020           | 28th  | '352            |
| March     | '535  | '603      | '466      | '137   | '772             | 11th  | '325            | 25th  | '447            | 1'105 | 1'162     | 1'048     | '114   | 1'344            | 11th  | '919            | 27th  | '425            |
| April     | '433  | '499      | '367      | '132   | '583             | 3rd   | '258            | 11th  | '325            | 1'026 | 1'083     | '969      | '114   | 1'174            | 3rd   | '857            | 11th  | '317            |
| May       | '326  | '392      | '259      | '133   | '492             | 18th  | '137            | 28th  | '355            | '913  | '971      | '855      | '116   | 1'094            | 21st  | '743            | 27th  | '351            |
| June      | '236  | '295      | '176      | '119   | '387             | 10th  | '046            | 14th  | '341            | '823  | '878      | '767      | '111   | '985             | 7th   | '632            | 16th  | '353            |
| July      | '226  | '275      | '176      | '099   | '419             | 7th   | '033            | 22nd  | '386            | '800  | '849*     | '751†     | '098   | '972             | 7th   | '561            | 22nd  | '411            |
| August    | '293  | '343      | '243      | '100   | '446             | 7th   | '096            | 19th  | '350            | '864  | '913*     | '814*     | '099   | 1'027            | 8th   | '660            | 20th  | '367            |
| September | '389  | '446      | '332      | '114   | '519             | 27th  | '232            | 1st   | '287            | '974  | 1'027     | '921      | '106   | 1'105            | 27th  | '820            | 2nd   | '285            |
| October   | '489  | '548      | '430      | '118   | '642             | 29th  | '338            | 3rd   | '304            | 1'065 | 1'118     | 1'011     | '107   | 1'223            | 28th  | '918            | 3rd   | '305            |
| November  | '638  | '693      | '582      | '111   | '769             | 23rd  | '515            | 18th  | '254            | 1'207 | 1'262     | 1'151     | '111   | 1'347            | 23rd  | 1'079           | 18th  | '268            |
| December  | '687  | '744      | '630      | '114   | '835             | 19th  | '577            | 10th  | '258            | 1'227 | 1'280     | 1'174     | '106   | 1'355            | 19th  | 1'116           | 10th  | '239            |
| Year      | '464  | '523      | '403      | '120   | '866             | ...   | '033            | ...   | '833            | 1'037 | 1'091     | '982      | '110   | 1'457            | ...   | '561            | ...   | '896            |

\* Mean of 30 days.

† " " 29 "



## 60. PACHMARHI.

## 61. HOSHANGABAD.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 26 +  | 26 +      | 26 +      |        | 26 +             |       | 25 +            |       |                 | 28 +  | 28 +      | 28 +      |        | 28 +             |       | 28 +            |       |                 |
| January   | '541  | '592      | '489      | '103   | '758             | 5th   | 1'355           | 22nd  | '403            | '991  | 1'056     | '925      | '131   | 1'245            | 5th   | '753            | 22nd  | '492            |
| February  | '540  | '588      | '491      | '097   | '674             | 20th  | 1'367           | 1st   | '307            | '977  | 1'047     | '906      | '141   | 1'161            | 20th  | '758            | 15th  | '403            |
| March     | '484  | '536      | '432      | '104   | '693             | 12th  | 1'313           | 25th  | '380            | '860  | '928      | '792      | '136   | 1'132            | 13th  | '669            | 25th  | '463            |
| April     | '437  | '486      | '387      | '099   | '560             | 19th  | 1'304           | 13th  | '256            | '779  | '846      | '711      | '135   | '967             | 5th   | '623            | 13th  | '344            |
| May       | '343  | '394      | '292      | '102   | '474             | 18th  | 1'173           | 28th  | '301            | '655  | '725      | '584      | '141   | '817             | 18th  | '449            | 28th  | '368            |
| June      | '243  | '289      | '197      | '092   | '395             | 10th  | 1'055           | 17th  | '340            | '576  | '636      | '516      | '120   | '710             | 11th  | '355            | 18th  | '355            |
| July      | '205  | '249      | '161      | '088   | '391             | 31st  | '939            | 22nd  | '452            | '565  | '613      | '517      | '096   | '768             | 31st  | '300            | 22nd  | '468            |
| August    | '267  | '311      | '223      | '088   | '423             | 7th   | 1'071           | 19th  | '352            | '625  | '675      | '574      | '101   | '796             | 7th   | '433            | 19th  | '363            |
| September | '369  | '422      | '315      | '107   | '497             | 27th  | 1'198           | 2nd   | '299            | '728  | '787      | '669      | '118   | '866             | 27th  | '519            | 2nd   | '347            |
| October   | '418  | '468      | '368      | '100   | '570             | 29th  | 1'272           | 3rd   | '298            | '803  | '864      | '741      | '123   | '975             | 28th  | '641            | 2nd   | '334            |
| November  | '540  | '590      | '490      | '100   | '650             | 14th  | 1'435           | 8th   | '215            | '960  | 1'020     | '899      | '121   | 1'105            | 22nd  | '816            | 6th   | '289            |
| December  | '566  | '611      | '520      | '091   | '697             | 27th  | 1'462           | 8th   | '235            | 1'025 | 1'082     | '967      | '115   | 1'168            | 19th  | '893            | 1st   | '275            |
| Year      | '413  | '461      | '364      | '098   | '758             | ...   | '939            | ...   | '819            | '795  | '857      | '733      | '123   | 1'245            | ...   | '300            | ...   | '945            |

## 62. KHANDWA.

## 63. CHANDA.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.       | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 28 +  | 28 +      | 28 +      |        | 28 +             |       | 28 +            |             |                 | 28 +  | 29 +      | 28 +      |        | 29 +             |       | 28 +            |       |                 |
| January   | '945  | 1'016     | '874      | '142   | 1'196            | 5th   | '699            | 22nd        | '497            | 1'364 | '428      | 1'300     | '128   | '587             | 5th   | 1'137           | 25th  | '450            |
| February  | '956  | 1'023     | '889      | '134   | 1'103            | 20th  | '756            | 15th        | '347            | 1'331 | '403      | 1'259     | '144   | '479             | 9th   | 1'146           | 27th  | '333            |
| March     | '865  | '935      | '794      | '141   | 1'092            | 13th  | '680            | 27th        | '412            | 1'220 | '295      | 1'145     | '150   | '460             | 12th  | 1'024           | 25th  | '436            |
| April     | '745  | '817      | '673      | '144   | '902             | 3rd   | '584            | 29th        | '318            | 1'126 | '199      | 1'053     | '146   | '271             | 4th   | '954            | 11th  | '317            |
| May       | '637  | '711      | '562      | '149   | '786             | 17th  | '415            | 28th        | '371            | 1'026 | '102      | '950      | '152   | '200             | 1st   | '805            | 28th  | '395            |
| June      | '570  | '637      | '503      | '134   | '774             | 10th  | '322            | 18th        | '452            | '959  | '021      | '896      | '125   | '116             | 24th  | '720            | 18th  | '396            |
| July      | '568  | '618      | '518      | '100   | '750             | 31st  | '334            | 22nd        | '416            | '974  | '024      | '924      | '100   | '173             | 7th   | '792            | 22nd  | '381            |
| August    | '631  | '683      | '578      | '105   | '795             | 7th   | '456            | 20th        | '339            | 1'023 | '078      | '968      | '110   | '183             | 7th   | '801            | 19th  | '382            |
| September | '729  | '789      | '668      | '121   | '857             | 27th  | '524            | 2nd         | '333            | 1'100 | '160      | 1'039     | '121   | '224             | 5th   | '924            | 1st   | '300            |
| October   | '771  | '835      | '707      | '128   | '940             | 24th  | '595            | 2nd & 16th. | '345            | 1'171 | '229      | 1'112     | '117   | '344             | 24th  | 1'015           | 2nd   | '329            |
| November  | '920  | '983      | '856      | '127   | 1'066            | 22nd  | '791            | 9th         | '275            | 1'318 | '377      | 1'259     | '118   | '453             | 22nd  | 1'150           | 9th   | '303            |
| December  | '976  | 1'036     | '915      | '121   | 1'129            | 19th  | '849            | 2nd         | '280            | 1'388 | '450      | 1'325     | '125   | '542             | 27th  | 1'242           | 10th  | '300            |
| Year      | '776  | '840      | '711      | '129   | 1'196            | ...   | '322            | ...         | '874            | 1'167 | '231      | 1'103     | '128   | '587             | ...   | '720            | ...   | '867            |

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

## 64. SIRONCHA.

## 65. CHIKALDA.

| MONTH.    | Mean.                           | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|---------------------------------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 29 +                            | 29 +      | 29 +      |        | 29 +             |       | 29 +            |       |                 | 26 +  | 26 +      | 26 +      |        | 26 +             |       | 25 +            |       |                 |
| January   | '623                            | '696      | '550      | '146   | '848             | 5th   | '403            | 25th  | '445            | '410  | '462      | '358      | '104   | '620             | 5th   | 1'218           | 22nd  | '402            |
| February  | '585                            | '664      | '505      | '159   | '748             | 9th   | '384            | 28th  | '364            | '411  | '464      | '357      | '107   | '529             | 20th  | 1'245           | 1st   | '284            |
| March     | '484                            | '568      | '399      | '169   | '715             | 14th  | '271            | 27th  | '444            | '346  | '399      | '292      | '107   | '534             | 12th  | 1'178           | 25th  | '356            |
| April     | '390                            | '473      | '307      | '166   | '550             | 23rd  | '230            | 10th  | '320            | '302  | '352      | '252      | '100   | '432             | 19th  | 1'173           | 11th  | '259            |
| May       | '300                            | '383      | '216      | '167   | '495             | 4th   | '090            | 28th  | '405            | '216  | '271      | '160      | '111   | '348             | 1st   | 1'041           | 28th  | '307            |
| June      | '227                            | '289      | '164      | '125   | '410             | 24th  | '003            | 16th  | '407            | '123  | '169      | '076      | '093   | '285             | 10th  | '922            | 18th  | '363            |
| July      | '246                            | '296      | '195      | '101   | '419             | 7th   | '093            | 22nd  | '326            | '098  | '135      | '060      | '075   | '269             | 7th   | '869            | 22nd  | '400            |
| August    | '276                            | '330      | '221      | '109   | '433             | 7th   | '074            | 19th  | '359            | '151  | '194      | '108      | '086   | '299             | 7th   | '956            | 19th  | '343            |
| September | '349                            | '407      | '290      | '117   | '479             | 5th   | '196            | 1st   | '283            | '246  | '291      | '201      | '090   | '371             | 27th  | 1'072           | 2nd   | '299            |
| October   | '422                            | '486      | '357      | '129   | '617             | 24th  | '269            | 1st   | '348            | '291  | '341      | '240      | '101   | '457             | 28th  | 1'145           | 2nd   | '312            |
| November  | '540                            | '605*     | '474*     | '131   | '698             | 15th  | '358            | 9th   | '340            | '412  | '460      | '363      | '097   | '527             | 14th  | 1'293           | 9th   | '234            |
| December  | Observatory temporarily closed. |           |           |        |                  |       |                 |       |                 | '440  | '487      | '392      | '095   | '566             | 27th  | 1'326           | 9th   | '240            |
| Year      | ?                               | ?         | ?         | ?      | ?                | ...   | ?               | ...   | ?               | '287  | '335      | '238      | '097   | '620             | ...   | '869            | ...   | '751            |

\* Mean of 20 days.

## 66. BULDANA.

## 67. AKOLA.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 27 +  | 27 +      | 27 +      |        | 27 +             |             | 27 +            |       |                 | 28 +  | 28 +      | 28 +      |        | 28 +             |       | 28 +            |       |                 |
| January   | '846  | '907      | '784      | '123   | 1'082            | 5th         | '613            | 22nd  | '469            | 1'063 | 1'134     | '992      | '142   | 1'316            | 5th   | '810            | 22nd  | '506            |
| February  | '841  | '909      | '772      | '137   | '972             | 20th        | '678            | 15th  | '294            | 1'035 | 1'110     | '959      | '151   | 1'183            | 20th  | '859            | 16th  | '324            |
| March     | '764  | '833      | '694      | '139   | '973             | 12th        | '605            | 21st  | '368            | '934  | 1'009     | '858      | '151   | 1'178            | 12th  | '751            | 21st  | '427            |
| April     | '695  | '757      | '633      | '124   | '833             | 19th        | '558            | 13th  | '275            | '848  | '922      | '773      | '149   | '999             | 5th   | '693            | 10th  | '306            |
| May       | '595  | '658      | '531      | '127   | '741             | 1st         | '415            | 28th  | '326            | '742  | '818      | '665      | '153   | '908             | 1st   | '539            | 28th  | '369            |
| June      | '525  | '581      | '468      | '113   | '681             | 10th & 11th | '305            | 18th  | '376            | '678  | '746      | '609      | '137   | '845             | 10th  | '426            | 18th  | '419            |
| July      | '522  | '566      | '478      | '088   | '697             | 31st        | '338            | 22nd  | '359            | '683  | '739      | '627      | '112   | '880             | 31st  | '474            | 23rd  | '406            |
| August    | '576  | '622      | '529      | '093   | '725             | 7th         | '408            | 19th  | '317            | '741  | '795      | '687      | '108   | '895             | 8th   | '574            | 19th  | '321            |
| September | '655  | '707      | '602      | '105   | '760             | 27th        | '472            | 2nd   | '288            | '826  | '889      | '762      | '127   | '942             | 5th   | '634            | 2nd   | '308            |
| October   | '692  | '747      | '636      | '111   | '864             | 24th        | '523            | 2nd   | '341            | '875  | '943      | '806      | '137   | 1'060            | 28th  | '720            | 3rd   | '340            |
| November  | '823  | '873      | '772      | '101   | '936             | 22nd        | '686            | 10th  | '250            | 1'024 | 1'091     | '956      | '135   | 1'182            | 22nd  | '879            | 9th   | '303            |
| December  | '875  | '928      | '821      | '107   | 1'013            | 27th        | '749            | 9th   | '264            | 1'088 | 1'154     | 1'021     | '133   | 1'240            | 27th  | '955            | 10th  | '285            |
| Year      | '701  | '757      | '643      | '114   | 1'082            | ...         | '305            | ...   | '777            | '878  | '946      | '810      | '136   | 1'316            | ...   | '426            | ...   | '890            |

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

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## 68. AMRAOTI.

## 69. NEEMUCH.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.      | Lowest reading. | Date.     | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date.       | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|------------|-----------------|-----------|-----------------|-------|-----------|-----------|--------|------------------|-------------|-----------------|-------------|-----------------|
|           | 28+   | 28+       | 28+       |        | 28+              |            | 28+             |           |                 | 27+   | 27+       | 27+       |        | 28+              |             | 27+             |             |                 |
| January   | '764  | '832      | '695      | '137   | 1'018            | 5th        | '514            | 22nd      | '504            | 1'337 | 1'395     | 1'278     | '117   | '583             | 5th         | 1'118           | 22nd        | '465            |
| February  | '738  | '810      | '666      | '144   | '884             | 20th       | '522            | 1st       | '362            | 1'320 | 1'379*    | 1'261†    | '118   | '513             | 9th         | 1'108           | 15th        | '405            |
| March     | '643  | '716      | '569      | '147   | '887             | 12th       | '461            | 27th      | '426            | 1'227 | 1'288‡    | 1'166‡    | '122   | '493             | 11th        | 1'028           | 27th        | '465            |
| April     | '559  | '629      | '488      | '141   | '708             | 4th        | '401            | 11th      | '307            | 1'148 | 1'210     | 1'085     | '125   | '311             | 4th         | '968            | 10th        | '343            |
| May       | '453  | '529      | '377      | '152   | '600             | 1st        | '255            | 28th      | '345            | 1'032 | 1'090     | '974      | '116   | '192             | 21st        | '846            | 27th & 28th | '346            |
| June      | '384  | '446      | '322      | '124   | '547             | 10th       | '136            | 18th      | '411            | '966  | 1'022     | '910      | '112   | '119             | 11th        | '771            | 18th        | '348            |
| July      | '390  | '440      | '339      | '101   | '576             | 7th & 31st | '178            | 22nd      | '398            | '933  | '976§     | '889§     | '087   | '097             | 31st        | '717            | 22nd        | '380            |
| August    | '444  | '498      | '389      | '109   | '606             | 7th        | '264            | 19th      | '342            | 1'001 | 1'045     | '957      | '088   | '135             | 7th         | '825            | 20th        | '310            |
| September | '524  | '585      | '463      | '122   | '643             | 26th       | '354            | 2nd       | '289            | 1'125 | 1'175     | 1'075     | '100   | '250             | 21st        | '964            | 1st         | '286            |
| October   | '587  | '650      | '524      | '126   | '763             | 28th       | '448            | 2nd & 3rd | '315            | 1'189 | 1'243     | 1'135     | '108   | '331             | 31st        | 1'015           | 3rd & 26th  | '316            |
| November  | '733  | '796      | '670      | '126   | '876             | 22nd       | '589            | 9th       | '287            | 1'337 | 1'391     | 1'283     | '108   | '472             | 22nd & 23rd | 1'229           | 19th & 20th | '243            |
| December  | '794  | '856      | '732      | '124   | '943             | 27th       | '662            | 8th       | '281            | 1'378 | 1'435§    | 1'320§    | '115   | '566             | 18th        | 1'246           | 23rd        | '320            |
| Year      | '584  | '649      | '520      | '129   | 1'018            | ...        | '136            | ...       | '882            | 1'166 | 1'221     | 1'111     | '110   | '583             | ...         | '717            | ...         | '866            |

\* Mean of 24 days.

† " " 21 "

‡ " " 23 "

§ Mean of 27 days.

|| " " 26 "

## 70. NOWGONG.

## 71. SUTNA.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 28+   | 28+       | 28+       |        | 28+              |             | 28+             |       |                 | 28+   | 28+       | 28+       |        | 28+              |       | 28+             |       |                 |
| January   | 1'274 | 1'334     | 1'213     | '121   | 1'551            | 5th         | 1'047           | 31st  | '504            | '974  | 1'027     | '921      | '106   | 1'195            | 6th   | '770            | 23rd  | '425            |
| February  | 1'258 | 1'319     | 1'197     | '122   | 1'444            | 20th        | 1'013           | 28th  | '431            | '945  | 1'003     | '886      | '117   | 1'129            | 20th  | '661            | 28th  | '468            |
| March     | 1'118 | 1'174     | 1'061     | '113   | 1'399            | 11th        | '884            | 27th  | '515            | '814  | '868      | '759      | '109   | 1'069            | 12th  | '613            | 27th  | '456            |
| April     | 1'009 | 1'068     | '950      | '118   | 1'209            | 3rd         | '813            | 10th  | '396            | '710  | '765      | '655      | '110   | '909             | 3rd   | '503            | 11th  | '406            |
| May       | '892  | '952      | '832      | '120   | 1'085            | 18th & 21st | '713            | 25th  | '372            | '599  | '659      | '539      | '120   | '772             | 18th  | '408            | 27th  | '364            |
| June      | '797  | '850      | '743      | '107   | '971             | 9th         | '577            | 14th  | '394            | '488  | '542      | '433      | '109   | '641             | 10th  | '223            | 18th  | '418            |
| July      | '789  | '831      | '746      | '085   | '944             | 31st        | '541            | 22nd  | '403            | '487  | '534      | '440      | '094   | '650             | 31st  | '232            | 22nd  | '418            |
| August    | '847  | '894      | '800      | '094   | 1'007            | 7th         | '671            | 20th  | '336            | '554  | '604      | '503      | '101   | '725             | 7th   | '369            | 19th  | '356            |
| September | '961  | 1'015     | '906      | '109   | 1'097            | 29th        | '825            | 2nd   | '272            | '665  | '718      | '612      | '106   | '811             | 29th  | '517            | 1st   | '294            |
| October   | 1'085 | 1'140     | 1'029     | '111   | 1'260            | 28th        | '949            | 26th  | '311            | '799  | '855      | '742      | '113   | '973             | 24th  | '653            | 2nd   | '320            |
| November  | 1'237 | 1'294     | 1'179     | '115   | 1'396            | 23rd        | 1'100           | 18th  | '296            | '951  | 1'007     | '895      | '112   | 1'100            | 23rd  | '823            | 18th  | '277            |
| December  | 1'290 | 1'345     | 1'235     | '110   | 1'430            | 18th        | 1'174           | 23rd  | '256            | 1'006 | 1'060     | '951      | '109   | 1'147            | 18th  | '897            | 28th  | '250            |
| Year      | 1'046 | 1'101     | '991      | '110   | 1'551            | ...         | '541            | ...   | 1'010           | '749  | '804      | '695      | '109   | 1'195            | ...   | '223            | ...   | '972            |

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

## 72. INDORE.

## 73. BICKANEER.

| Month.      | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date. | Absolute range. | Mean.          | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.       | Absolute range. |
|-------------|-------|-----------|-----------|--------|------------------|-------------|-----------------|-------|-----------------|----------------|-----------|-----------|--------|------------------|-------|-----------------|-------------|-----------------|
|             | 27 +  | 27 +      | 27 +      |        | 27 +             |             | 27 +            |       |                 | 28 +           | 28 +      | 28 +      |        | 28 +             |       | 28 +            |             |                 |
| January .   | 1'147 | 1'208     | 1'086     | 122    | 1'396            | 5th         | 926             | 22nd  | 470             | 1'267          | 1'321*    | 1'213*    | 108    | 1'531            | 5th   | 1'003           | 31st        | 528             |
| February .  | 1'143 | 1'208     | 1'077     | 131    | 1'341            | 20th        | 944             | 15th  | 397             | 1'243          | 1'299     | 1'187     | 112    | 1'447            | 12th  | 970             | 28th        | 477             |
| March .     | 1'045 | 1'108     | 981       | 127    | 1'277            | 12th        | 874             | 27th  | 403             | 1'094          | 1'147     | 1'041     | 106    | 1'350            | 12th  | 908             | 26th & 27th | 442             |
| April .     | 974   | 1'034     | 913       | 121    | 1'112            | 4th         | 829             | 11th  | 283             | 988            | 1'044     | 932       | 112    | 1'215            | 4th   | 814             | 10th        | 401             |
| May .       | 869   | 931       | 806       | 125    | 1'018            | 17th        | 679             | 25th  | 339             | 841            | 896       | 785       | 111    | 1'026            | 18th  | 588             | 15th        | 438             |
| June .      | 796   | 852       | 740       | 112    | 970              | 10th        | 579             | 18th  | 391             | 751            | 804       | 698       | 106    | 935              | 10th  | 577             | 18th        | 358             |
| July .      | 782   | 827       | 736       | 991    | 964              | 31st        | 540             | 22nd  | 424             | 726            | 774       | 677       | 997    | 909              | 31st  | 566             | 23rd        | 343             |
| August .    | 849   | 893       | 805       | 988    | 1'001            | 7th         | 654             | 20th  | 347             | Untrustworthy. |           |           |        |                  |       |                 |             |                 |
| September . | 957   | 1'012     | 901       | 111    | 1'081            | 27th        | 770             | 2nd   | 311             | Ditto.         |           |           |        |                  |       |                 |             |                 |
| October .   | 1'005 | 1'061     | 948       | 113    | 1'167            | 24th & 28th | 833             | 2nd   | 334             | Ditto.         |           |           |        |                  |       |                 |             |                 |
| November .  | 1'149 | 1'204     | 1'093     | 111    | 1'288            | 22nd        | 1'030           | 9th   | 258             | Ditto.         |           |           |        |                  |       |                 |             |                 |
| December .  | 1'191 | 1'246     | 1'135     | 111    | 1'337            | 19th        | 1'077           | 2nd   | 260             | Ditto.         |           |           |        |                  |       |                 |             |                 |
| Year .      | 992   | 1'049     | 935       | 114    | 1'396            | ...         | 540             | ...   | 856             | ...            | ...       | ...       | ...    | ...              | ...   | ...             | ...         | ...             |

\* Mean of 28 days.

## 74. JEYPORE.

## 75. SAMBHAR.

| Month.      | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Range. | Highest reading. | Date and hour. | Lowest reading. | Date and hour. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.              | Absolute range. |
|-------------|-------|----------|-----------|-----------|-----------|--------|------------------|----------------|-----------------|----------------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|--------------------|-----------------|
|             | 28 +  | 28 +     | 28 +      | 28 +      | 28 +      |        | 28 +             |                | 27 +            |                |                 | 28 +  | 28 +      | 28 +      |        | 28 +             |       | 28 +            |                    |                 |
| January .   | 575   | 545      | 638       | 532       | 585       | 106    | 880              | 5th, 10h.      | 1'317           | 31st, 16h.     | 563             | 747   | 803       | 701       | 102    | 1'063            | 5th   | 505             | 31st               | 558             |
| February .  | 571   | 542      | 634       | 524       | 585       | 110    | 754              | 20th, "        | 1'310           | 28th, "        | 444             | 746   | 802       | 694       | 108    | 931              | 20th  | 485             | 23th               | 446             |
| March .     | 444   | 418      | 503       | 397       | 458       | 106    | 735              | 14th, "        | 1'255           | 27th, "        | 480             | 610   | 665       | 565       | 100    | 902              | 11th  | 425             | 27th               | 477             |
| April .     | 356   | 334      | 420       | 310       | 360       | 110    | 537              | 3rd, "         | 1'162           | 13th, "        | 375             | 522   | 580       | 476       | 104    | 699              | 3rd   | 334             | 13th               | 365             |
| May .       | 237   | 230      | 300       | 182       | 237       | 118    | 430              | 18th, "        | 1'046           | 25th, "        | 384             | 396   | 452       | 348       | 104    | 581              | 18th  | 195             | 28th               | 386             |
| June .      | 152   | 140      | 203       | 101       | 164       | 102    | 348              | 6th, 22h.      | 996             | 15th, "        | 352             | 322   | 362       | 273       | 989    | 510              | 7th   | 160             | 15th               | 350             |
| July .      | 125   | 113      | 169       | 82        | 134       | 987    | 263              | 31st, 10h.     | 918             | 23rd, "        | 345             | 280   | 327       | 240       | 987    | 434              | 31st  | 972             | 23rd               | 362             |
| August .    | 190   | 174      | 237       | 143       | 204       | 994    | 330              | 7th, "         | 1'047           | 20th, "        | 283             | 350   | 396       | 307       | 989    | 480              | 7th   | 212             | 20th               | 268             |
| September . | 317   | 293      | 376       | 271       | 328       | 105    | 482              | 29th, "        | 1'181           | 12th, "        | 301             | 482   | 537       | 437       | 100    | 646              | 29th  | 340             | 12th               | 306             |
| October .   | 423   | 410      | 479       | 367       | 434       | 112    | 568              | 24th, "        | 1'239           | 26th, "        | 329             | 578   | 636       | 524       | 112    | 731              | 24th  | 388             | 26th               | 343             |
| November .  | 559   | 533      | 621       | 516       | 566       | 105    | 719              | 23rd, "        | 1'447           | 18th, "        | 272             | 729   | 783       | 673       | 110    | 883              | 22nd  | 615             | 12th, 17th & 18th. | 268             |
| December .  | 605   | 579      | 663       | 561       | 617       | 102    | 751              | 18th, "        | 1'476           | 23rd, 4h.      | 275             | 780   | 833       | 730       | 103    | 925              | 18th  | 659             | 23rd               | 266             |
| Year .      | 380   | 359      | 437       | 332       | 389       | 105    | 880              | ...            | 918             | ...            | 962             | 545   | 598       | 497       | 101    | 1'063            | ...   | 972             | ...                | 991             |



TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

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## 76. AJMERE.

## 77. MOUNT ABU.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------------|-----------------|-------|-----------------|
|           | 27 +  | 27 +      | 27 +      |        | 28 +             |       | 27 +            |       |                 | 25 +  | 25 +      | 25 +      |        | 25 +             |             | 25 +            |       |                 |
| January   | 1'401 | 1'453     | 1'359     | '094   | '695             | 5th   | 1'161           | 31st  | '534            | 1'120 | 1'160     | 1'079     | '081   | 1'336            | 5th         | '923            | 31st  | '413            |
| February  | 1'405 | 1'452     | 1'361     | '091   | '583             | 20th  | 1'089           | 15th  | '494            | 1'134 | 1'174     | 1'093     | '081   | 1'257            | 9th         | '918            | 16th  | '339            |
| March     | 1'273 | 1'327     | 1'228     | '099   | '547             | 11th  | 1'094           | 26th  | '453            | 1'065 | 1'103     | 1'027     | '076   | 1'271            | 11th        | '922            | 25th  | '349            |
| April     | 1'190 | 1'243     | 1'149     | '094   | '350             | 2nd   | 1'013           | 13th  | '337            | 1'042 | 1'082     | 1'002     | '080   | 1'156            | 19th        | '888            | 13th  | '268            |
| May       | 1'060 | 1'115     | 1'012     | '103   | '250             | 21st  | '862            | 28th  | '388            | '948  | '982      | '914      | '068   | 1'063            | 19th        | '800            | 28th  | '263            |
| June      | '987  | 1'027     | '936      | '091   | '188             | 7th   | '794            | 16th  | '394            | '870  | '905      | '834      | '071   | 1'028            | 10th        | '724            | 18th  | '304            |
| July      | '941  | '987      | '902      | '085   | '090             | 31st  | '744            | 23rd  | '346            | '804  | '836      | '772      | '064   | '958             | 7th         | '593            | 23rd  | '365            |
| August    | 1'021 | 1'066     | '979      | '087   | '155             | 8th   | '870            | 20th  | '285            | '864  | '897      | '831      | '066   | '958             | 12th & 14th | '715            | 2nd   | '243            |
| September | 1'154 | 1'208     | 1'110     | '098   | '322             | 29th  | '996            | 7th   | '326            | '999  | 1'033     | '965      | '068   | 1'121            | 29th        | '869            | 2nd   | '252            |
| October   | 1'245 | 1'299     | 1'194     | '105   | '388             | 28th  | 1'066           | 3rd   | '322            | 1'061 | 1'100     | 1'021     | '079   | 1'192            | 24th        | '931            | 2nd   | '261            |
| November  | 1'394 | 1'445     | 1'340     | '105   | '537             | 22nd  | 1'283           | 18th  | '254            | 1'161 | 1'202     | 1'120     | '082   | 1'271            | 22nd        | 1'062           | 18th  | '209            |
| December  | 1'437 | 1'490     | 1'387     | '103   | '580             | 18th  | 1'315           | 22nd  | '265            | 1'164 | 1'202     | 1'125     | '077   | 1'301            | 19th        | 1'058           | 23rd  | '243            |
| Year      | 1'209 | 1'259     | 1'163     | '096   | '695             | ...   | '744            | ...   | '951            | 1'019 | 1'056     | '982      | '074   | 1'336            | ...         | '593            | ...   | '743            |

## 78. PACHPADRA.

## 79. JACOBABAD.

| MONTH.    | Mean.         | 10 hours. | 16 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date. | Absolute range. | Mean.      | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.      | Absolute range. |
|-----------|---------------|-----------|-----------|--------|------------------|-------------|-----------------|-------|-----------------|------------|-----------|-----------|--------|------------------|-------|-----------------|------------|-----------------|
|           | 29 +          | 29 +      | 29 +      |        | 29 +             |             | 28 +            |       |                 | 29 +       | 29 +      | 29 +      |        | 29 +             |       | 29 +            |            |                 |
| January   | '630          | '688      | '572      | '116   | '945             | 5th         | 1'409           | 19th  | '536            | '875       | '934      | '816      | '118   | 1'276            | 5th   | '584            | 19th       | '692            |
| February  | '632          | '694      | '569      | '125   | '825             | 12th        | 1'359           | 15th  | '466            | '879       | '943      | '815      | '128   | 1'146            | 9th   | '576            | 27th       | '570            |
| March     | '482          | '541      | '422      | '119   | '741             | 11th        | 1'276           | 26th  | '465            | '691       | '757      | '624      | '133   | '993             | 11th  | '307            | 29th       | '686            |
| April     | Incomplete.   |           |           |        |                  |             |                 |       |                 | Imperfect. |           |           |        |                  |       |                 |            |                 |
| May       | Not recorded. |           |           |        |                  |             |                 |       |                 | '395       | '460†     | '330†     | '130   | '632             | 7th   | '131            | 28th       | '501            |
| June      | Ditto.        |           |           |        |                  |             |                 |       |                 | '257       | '318      | '196      | '122   | '441             | 8th   | '105            | 5th & 14th | '336            |
| July      | '177          | '222*     | '131*     | '091   | '335             | 7th         | '941            | 23rd  | '394            | '228       | '290      | '165      | '125   | '404             | 31st  | '041            | 22nd       | '363            |
| August    | '248          | '293      | '202      | '091   | '360             | 30th & 31st | 1'108           | 20th  | '252            | '306       | '365      | '246      | '119   | '474             | 13th  | '085            | 2nd        | '389            |
| September | '379          | '430      | '328      | '102   | '530             | 21st        | 1'223           | 2nd   | '307            | '461       | '525      | '397      | '128   | '697             | 30th  | '272            | 12th       | '425            |
| October   | '465          | '520      | '409      | '111   | '620             | 31st        | 1'259           | 3rd   | '361            | '628       | '684      | '572      | '112   | '866             | 28th  | '417            | 26th       | '449            |
| November  | '638          | '690      | '586      | '104   | '753             | 28th & 29th | 1'526           | 10th  | '227            | '812       | '872      | '752      | '120   | '994             | 26th  | '652            | 1st        | '342            |
| December  | '703          | '757      | '649      | '108   | '832             | 27th        | 1'569           | 22nd  | '263            | '894       | '958      | '829      | '129   | 1'069            | 26th  | '703            | 2nd        | '366            |
| Year      | ?             | ?         | ?         | ?      | '945             | ...         | ?               | ...   | ?               | ?          | ?         | ?         | ?      | 1'276            | ...   | '041            | ...        | 1'235           |

\* Mean of 29 days.

† Mean of 28 days.

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

## 80. HYDERABAD.

## 81. KURRACHEE.

| Month.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.        | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|--------------|-----------------|-------|-----------------|
|           | 29 +  | 29 +      | 29 +      |        | 29 +             |       | 29 +            |       |                 | 29 +  | 29 +      | 29 +      |        | 29 +             |              | 29 +            |       |                 |
| January   | '948  | '999      | '897      | '102   | 1'346            | 5th   | '719            | 19th  | '627            | '990  | 1'056     | '941      | '115   | 1'332            | 5th          | '800            | 22nd  | '532            |
| February  | '961  | 1'028     | '894      | '134   | 1'215            | 9th   | '680            | 27th  | '535            | 1'009 | 1'074     | '955      | '119   | 1'244            | 9th          | '810            | 28th  | '434            |
| March     | '784  | '842      | '726      | '116   | 1'046            | 12th  | '562            | 27th  | '484            | '861  | '916      | '816      | '100   | 1'101            | 11th         | '685            | 27th  | '416            |
| April     | '663  | '717      | '608      | '109   | '872             | 4th   | '484            | 11th  | '388            | '765  | '810      | '717      | '093   | '946             | 1st          | '598            | 29th  | '348            |
| May       | '515  | '562      | '468      | '094   | '678             | 22nd  | '282            | 27th  | '396            | '610  | '661      | '570      | '091   | '801             | 22nd         | '380            | 27th  | '421            |
| June      | '362  | '405      | '319      | '086   | '538             | 11th  | '208            | 18th  | '330            | '514  | '551      | '473      | '078   | '708             | 11th         | '334            | 16th  | '374            |
| July      | '306  | '350      | '261      | '089   | '460             | 31st  | '127            | 22nd  | '333            | '463  | '500      | '427      | '073   | '635             | 31st         | '278            | 22nd  | '357            |
| August    | '416  | '457      | '374      | '083   | '563             | 31st  | '239            | 2nd   | '324            | '569  | '602      | '529      | '073   | '669             | 14th & 31st. | '426            | 2nd   | '243            |
| September | '558  | '600      | '516      | '084   | '728             | 30th  | '398            | 12th  | '330            | '715  | '752      | '671      | '081   | '883             | 21st         | '562            | 2nd   | '321            |
| October   | '693  | '747      | '638      | '109   | '911             | 29th  | '487            | 2nd   | '424            | '782  | '827      | '730      | '097   | '961             | 29th         | '578            | 26th  | '383            |
| November  | '887  | '943      | '830      | '113   | 1'045            | 26th  | '701            | 16th  | '344            | '951  | 1'004     | '900      | '104   | 1'101            | 26th         | '739            | 16th  | '362            |
| December  | '974  | 1'034     | '913      | '121   | 1'163            | 27th  | '800            | 2nd   | '363            | 1'024 | 1'081     | '974      | '107   | 1'211            | 27th         | '869            | 2nd   | '342            |
| Year      | '672  | '724      | '620      | '103   | 1'346            | ...   | '127            | ...   | 1'219           | '771  | '820      | '725      | '094   | 1'332            | ...          | '278            | ...   | 1'054           |

## 82. BHUJ.

## 83. RAJKOT.

| Month.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.         | Lowest reading. | Date. | Absolute range. | Mean.          | 10 hours. | 16 hours.  | Range. | Highest reading. | Date.        | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|---------------|-----------------|-------|-----------------|----------------|-----------|------------|--------|------------------|--------------|-----------------|-------|-----------------|
|           | 29 +  | 29 +      | 29 +      |        | 29 +             |               | 29 +            |       |                 | 29 +           | 29 +      | 29 +       |        | 29 +             |              | 29 +            |       |                 |
| January   | '601  | '661*     | '540*     | '121   | '900             | 5th           | '418            | 22nd  | '482            | '585           | '646      | '524       | '122   | '805             | 5th          | '367            | 22nd  | '438            |
| February  | '624  | '688      | '560      | '128   | '829             | 9th           | '427            | 15th  | '402            | ?              | '644      | Imperfect. | ?      | '757             | 9th          | ?               | ...   | ?               |
| March     | '497  | '557      | '436      | '121   | '749             | 11th          | '324            | 26th  | '425            | ?              | '538†     | Ditto.     | ?      | '696             | 11th         | ?               | ...   | ?               |
| April     | '414  | '471      | '356      | '115   | '592             | 4th           | '258            | 29th  | '334            | Not recorded.  |           |            |        |                  |              |                 |       |                 |
| May       | '301  | '356*     | '245*     | '111   | '443             | 21st          | '012            | 25th  | '431            | '263           | '324†     | '201†      | '123   | '418             | 21st         | '021            | 25th  | '397            |
| June      |       |           |           |        |                  | Not recorded. |                 |       |                 | '184           | '234      | '133       | '101   | '364             | 10th         | '019            | 17th  | '345            |
| July      |       |           |           |        |                  | Ditto.        |                 |       |                 | Imperfect.     |           |            |        |                  |              |                 |       |                 |
| August    |       |           |           |        |                  | Imperfect.    |                 |       |                 | Untrustworthy. |           |            |        |                  |              |                 |       |                 |
| September | '394  | '441      | '347      | '094   | '537             | 21st          | '231            | 2nd   | '306            | '372           | '427      | '317       | '110   | '508             | 27th         | '253            | 17th  | '255            |
| October   | '426  | '483      | '369      | '114   | '584             | 28th          | '222            | 2nd   | '362            | '392           | '454      | '330       | '124   | '556             | 24th         | '175            | 2nd   | '381            |
| November  | '584  | '640      | '528      | '112   | '707             | 27th          | '454            | 10th  | '253            | '535           | '598      | '472       | '126   | '666             | 23rd & 30th. | '354            | 11th  | '312            |
| December  | '650  | '706      | '593      | '113   | '804             | 27th          | '527            | 2nd   | '277            | '593           | '659      | '526       | '133   | '754             | 27th         | '460            | 3rd   | '294            |
| Year      | ?     | ?         | ?         | ?      | '900             | ...           | ?               | ...   | ?               | ?              | ?         | ?          | ?      | ?                | ...          | ?               | ...   | ?               |

\* Mean of 25 days.

† Mean of 28 days.

‡ " " 30 "

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

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## 84. DEESA.

## 85. SURAT.

| MONTH.      | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-------------|-------|-----------|-----------|--------|------------------|-------------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|             | 29 +  | 29 +      | 29 +      |        | 29 +             |             | 28 +            |       |                 | 29 +  | 29 +      | 29 +      |        | 29 +             |       | 29 +            |       |                 |
| January .   | '530  | '607      | '481      | '126   | '812             | 5th         | 1'346           | 22nd  | '466            | '981  | 1'045     | '917      | '128   | 1'195            | 5th   | '818            | 22nd  | '377            |
| February .  | '531  | '609      | '478      | '131   | '732             | 9th         | 1'323           | 15th  | '409            | '967  | 1'032     | '901      | '131   | 1'102            | 9th   | '816            | 28th  | '286            |
| March .     | '414  | '480      | '357      | '123   | '677             | 11th        | 1'219           | 27th  | '458            | '889  | '948      | '829      | '119   | 1'071            | 10th  | '743            | 21st  | '328            |
| April .     | '332  | '404      | '268      | '136   | '512             | 4th         | 1'152           | 10th  | '360            | '814  | '875      | '752      | '123   | '968             | 2nd   | '680            | 11th  | '288            |
| May .       | '201  | '272      | '131      | '141   | '396             | 18th        | '951            | 25th  | '445            | '700  | '755      | '645      | '110   | '858             | 18th  | '460            | 25th  | '398            |
| June .      | '129  | '189      | '059      | '130   | '323             | 10th        | '915            | 18th  | '408            | '620  | '669      | '571      | '098   | '789             | 11th  | '408            | 17th  | '381            |
| July .      | '092  | '138      | '040      | '098   | '269             | 31st        | '832            | 23rd  | '437            | '600  | '638      | '561      | '077   | '790             | 31st  | '340            | 23rd  | '450            |
| August .    | '176  | '224      | '128      | '096   | '295             | 7th         | 1'010           | 20th  | '285            | '681  | '725      | '636      | '089   | '803             | 7th   | '546            | 20th  | '257            |
| September . | '312  | '364      | '251      | '113   | '441             | 27th & 29th | 1'137           | 2nd   | '304            | '786  | '834      | '738      | '096   | '899             | 5th   | '628            | 2nd   | '271            |
| October .   | '341  | '410      | '278      | '132   | '513             | 28th        | 1'136           | 2nd   | '377            | '796  | '846*     | '746*     | '100   | '966             | 24th  | '619            | 3rd   | '347            |
| November .  | '504  | '571      | '448      | '123   | '643             | 22nd        | 1'375           | 10th  | '268            | '931  | '986      | '876      | '110   | 1'058            | 21st  | '799            | 10th  | '259            |
| December .  | '557  | '626      | '504      | '122   | '718             | 18th        | 1'433           | 10th  | '285            | '981  | 1'042     | '920      | '122   | 1'122            | 19th  | '831            | 10th  | '291            |
| Year .      | '343  | '408      | '285      | '123   | '812             | ...         | '832            | ...   | '980            | '812  | '866      | '758      | '109   | 1'195            | ...   | '340            | ...   | '855            |

\* Mean of 28 days.

## 86. MALEGAON.

## 87. BOMBAY.

| MONTH.      | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|----------|-----------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|             | 28 +  | 28 +      | 28 +      |        | 28 +             |       | 27 +            |       |                 | 29 +  | 29 +     | 29 +      | 29 +      | 29 +      |        | 29 +             |       | 29 +            |       |                 |
| January .   | '549  | '622      | '476      | '146   | '778             | 5th   | 1'327           | 22nd  | '451            | '956  | '957     | 1'023     | '901      | '979      | '122   | 1'138            | 5th   | '817            | 22nd  | '321            |
| February .  | '537  | '615      | '458      | '157   | '679             | 20th  | 1'358           | 15th  | '321            | '937  | '934     | 1'005     | '881      | '965      | '124   | 1'069            | 17th  | '801            | 28th  | '268            |
| March .     | '456  | '531      | '381      | '150   | '677             | 12th  | 1'291           | 27th  | '386            | '877  | '880     | '940      | '823      | '902      | '117   | 1'080            | 10th  | '742            | 20th  | '338            |
| April .     | '389  | '456      | '321      | '135   | '534             | 19th  | 1'246           | 28th  | '288            | '818  | '828     | '880      | '760      | '836      | '120   | '957             | 19th  | '689            | 28th  | '268            |
| May .       | '288  | '355      | '221      | '134   | '428             | 20th  | 1'074           | 25th  | '354            | '733  | '742     | '790      | '680      | '755      | '110   | '888             | 18th  | '444            | 25th  | '444            |
| June .      | '220  | '276      | '163      | '113   | '387             | 10th  | '992            | 17th  | '395            | '665  | '666     | '710      | '622      | '692      | '088   | '825             | 12th  | '402            | 17th  | '423            |
| July .      | '214  | '258      | '170      | '088   | '395             | 31st  | 1'025           | 22nd  | '370            | '665  | '656     | '701      | '631      | '698      | '070   | '839             | 31st  | '471            | 22nd  | '368            |
| August .    | '279  | '326      | '232      | '094   | '415             | 7th   | 1'138           | 20th  | '277            | '730  | '723     | '771      | '692      | '759      | '079   | '860             | 24th  | '608            | 13th  | '252            |
| September . | '366  | '426      | '306      | '120   | '487             | 27th  | 1'186           | 2nd   | '301            | '802  | '802     | '854      | '756      | '828      | '098   | '916             | 21st  | '684            | 2nd   | '232            |
| October .   | '398  | '460      | '336      | '124   | '558             | 28th  | 1'210           | 3rd   | '348            | '800  | '807     | '858      | '748      | '829      | '110   | '948             | 7th   | '608            | 3rd   | '340            |
| November .  | '532  | '593      | '470      | '123   | '669             | 22nd  | 1'380           | 10th  | '289            | '906  | '918     | '967      | '853      | '932      | '114   | 1'067            | 14th  | '685            | 10th  | '382            |
| December .  | '578  | '642      | '513      | '129   | '730             | 19th  | 1'458           | 9th   | '272            | '959  | '960     | 1'021     | '907      | '984      | '114   | 1'111            | 27th  | '807            | 10th  | '304            |
| Year .      | '401  | '463      | '337      | '126   | '778             | ...   | '992            | ...   | '786            | '821  | '823     | '877      | '771      | '847      | '106   | 1'138            | ...   | '402            | ...   | '736            |

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

## 88. POONA.

## 89. SHOLAPUR.

| MONTH.      | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.        | Lowest reading. | Date.       | Absolute range. |
|-------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|--------------|-----------------|-------------|-----------------|
|             | 27 +  | 27 +      | 27 +      |        | 28 +             |       | 27 +            |       |                 | 28 +  | 28 +      | 28 +      |        | 28 +             |              | 27 +            |             |                 |
| January .   | 1'125 | 1'194     | 1'055     | 1'39   | 339              | 5th   | 935             | 22nd  | 404             | 374   | 440       | 307       | 133    | 584              | 5th          | 1'177           | 22nd        | 407             |
| February .  | 1'117 | 1'190     | 1'040     | 1'50   | 255              | 9th   | 978             | 15th  | 277             | 358   | 432       | 284       | 148    | 484              | 9th          | 1'202           | 1st & 28th. | 282             |
| March .     | 1'055 | 1'115     | 977       | 1'38   | 227              | 10th  | 890             | 21st  | 337             | 273   | 349       | 196       | 153    | 457              | 13th         | 1'101           | 21st        | 356             |
| April .     | 997   | 1'056     | 923       | 1'33   | 119              | 19th  | 864             | 28th  | 255             | 197   | 268       | 125       | 143    | 333              | 2nd          | 1'062           | 11th        | 271             |
| May .       | 920   | 972       | 855       | 1'17   | 055              | 18th  | 678             | 25th  | 377             | 123   | 196       | 050       | 146    | 275              | 18th         | 942             | 25th        | 333             |
| June .      | 861   | 903       | 813       | 090    | 007              | 12th  | 650             | 17th  | 357             | 089   | 149       | 028       | 121    | 226              | 24th         | 921             | 16th        | 305             |
| July .      | 857   | 891       | 821       | 070    | 017              | 31st  | 689             | 22nd  | 328             | 102   | 154       | 049       | 105    | 271              | 31st         | 967             | 13th        | 304             |
| August .    | 906   | 947       | 869       | 078    | 036              | 24th  | 784             | 13th  | 252             | 146   | 201       | 091       | 110    | 283              | 24th         | 1'014           | 15th        | 269             |
| September . | 984   | 1'033     | 924       | 1'09   | 091              | 5th   | 845             | 2nd   | 246             | 203   | 267       | 139       | 128    | 322              | 21st         | 1'053           | 1st         | 269             |
| October .   | 992   | 1'047     | 931       | 1'16   | 131              | 29th  | 790             | 2nd   | 341             | 230   | 289       | 171       | 118    | 382              | 24th & 28th. | 1'050           | 1st         | 332             |
| November .  | 1'103 | 1'164     | 1'040     | 1'24   | 242              | 22nd  | 920             | 10th  | 322             | 335   | 396       | 274       | 122    | 460              | 22nd         | 1'125           | 10th        | 335             |
| December .  | 1'150 | 1'211     | 1'086     | 1'25   | 293              | 18th  | 992             | 10th  | 301             | 384   | 447       | 320       | 127    | 544              | 27th         | 1'214           | 9th         | 330             |
| Year .      | 1'006 | 1'060     | 945       | 1'16   | 339              | ...   | 650             | ...   | 689             | 235   | 299       | 170       | 130    | 584              | ...          | 921             | ...         | 663             |

## 90. RATNAGIRI.

## 91. BELGAUM.

| MONTH.      | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.      | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date. | Absolute range. |
|-------------|-------|-----------|-----------|--------|------------------|------------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------------|-----------------|-------|-----------------|
|             | 29 +  | 29 +      | 29 +      |        | 29 +             |            | 29 +            |       |                 | 27 +  | 27 +      | 27 +      |        | 27 +             |             | 26 +            |       |                 |
| January .   | 861   | 917       | 805       | 1'12   | 1'025            | 5th        | 717             | 22nd  | 308             | 411   | 484       | 353       | 131    | 595              | 5th         | 1'263           | 22nd  | 332             |
| February .  | 839   | 897       | 781       | 1'16   | 949              | 17th       | 709             | 27th  | 240             | 410   | 486       | 341       | 145    | 530              | 9th & 22nd. | 1'262           | 2nd   | 268             |
| March .     |       |           |           |        |                  | Imperfect. |                 |       |                 | 363   | 435       | 295       | 140    | 520              | 10th        | 1'212           | 26th  | 308             |
| April .     | 746   | 800       | 691       | 1'09   | 868              | 18th       | 628             | 14th  | 240             | 316   | 384       | 248       | 136    | 440              | 2nd         | 1'193           | 11th  | 247             |
| May .       | 667   | 718       | 616       | 1'02   | 804              | 18th       | 359             | 25th  | 445             | 241   | 301       | 185       | 116    | 378              | 4th         | 999             | 25th  | 379             |
| June .      | 623   | 664       | 582       | 082    | 761              | 12th       | 450             | 18th  | 311             | 219   | 258       | 179       | 079    | 345              | 12th        | 1'065           | 15th  | 280             |
| July .      | 637   | 671       | 603       | 068    | 780              | 31st       | 490             | 22nd  | 290             | 218   | 254       | 186       | 068    | 340              | 31st        | 1'090           | 22nd  | 250             |
| August .    | 689   | 726       | 651       | 075    | 827              | 24th       | 565             | 13th  | 262             | 251   | 293       | 210       | 083    | 409              | 24th        | 1'106           | 12th  | 303             |
| September . | 733   | 781       | 685       | 096    | 833              | 21st       | 591             | 29th  | 242             | 303   | 350       | 244       | 106    | 404              | 5th         | 1'168           | 30th  | 236             |
| October .   | 731   | 780       | 682       | 098    | 856              | 7th        | 581             | 2nd   | 275             | 311   | 368       | 255       | 113    | 462              | 7th         | 1'153           | 1st   | 309             |
| November .  | 825   | 880       | 769       | 1'11   | 977              | 14th       | 557             | 10th  | 420             | 387   | 454       | 332       | 122    | 535              | 14th        | 1'125           | 10th  | 410             |
| December .  | 860   | 915       | 804       | 1'11   | 1'002            | 27th       | 704             | 10th  | 298             | 432   | 496       | 375       | 121    | 561              | 27th        | 1'268           | 9th   | 293             |
| Year .      | ?     | ?         | ?         | ?      | 1'025            | ...        | 359             | ...   | 666             | 322   | 380       | 267       | 113    | 595              | ...         | 999             | ...   | 596             |



TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

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## 92. KARWAR.

## 93. GOPALPUR.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.     | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-----------|-----------------|-------|-----------------|
| January   | 29 +  | 29 +      | 29 +      |        | 29 +             |             | 29 +            |       |                 | 29 +  | 29 +      | 29 +      |        | 29 +             |           | 29 +            |       |                 |
| January   | '916  | '981      | '851      | '130   | 1'067            | 9th         | '786            | 22nd  | '281            | 1'005 | 1'055     | '955      | '100   | 1'208            | 4th       | '795            | 21st  | '413            |
| February  | '898  | '970      | '825      | '145   | 1'020            | 21st        | '772            | 15th  | '248            | '972  | 1'026     | '918      | '108   | 1'123            | 20th      | '801            | 28th  | '322            |
| March     | '864  | '931      | '797      | '134   | 1'028            | 10th        | '727            | 20th  | '301            | '868  | '925      | '811      | '114   | 1'059            | 10th      | '633            | 25th  | '426            |
| April     | '814  | '876      | '752      | '124   | '950             | 2nd         | '671            | 14th  | '279            | '760  | '815      | '704      | '111   | '893             | 23rd      | '616            | 14th  | '277            |
| May       | '732  | '783      | '680      | '103   | '854             | 11th & 17th | '431            | 24th  | '423            | '688  | '739      | '636      | '103   | '838             | 1st       | '500            | 31st  | '338            |
| June      | '727  | '767      | '686      | '081   | '851             | 12th        | '574            | 15th  | '277            | '543  | '590      | '496      | '094   | '715             | 10th      | '308            | 16th  | '407            |
| July      | '744  | '781      | '706      | '075   | '869             | 31st        | '617            | 23rd  | '252            | '549  | '589      | '509      | '080   | '735             | 6th & 7th | '360            | 18th  | '375            |
| August    | '776  | '818      | '734      | '084   | '935             | 24th        | '621            | 12th  | '314            | '590  | '634      | '545      | '089   | '769             | 8th       | '308            | 18th  | '461            |
| September | '809  | '861      | '757      | '104   | '909             | 22nd        | '678            | 30th  | '231            | '665  | '715      | '615      | '100   | '818             | 4th       | '511            | 12th  | '307            |
| October   | '815  | '869      | '761      | '108   | '975             | 7th         | '686            | 26th  | '289            | '788  | '840      | '736      | '104   | '955             | 24th      | '658            | 18th  | '297            |
| November  | '869  | '929      | '808      | '121   | 1'036            | 14th        | '601            | 10th  | '435            | '912  | '965      | '858      | '107   | 1'046            | 29th      | '744            | 8th   | '302            |
| December  | '916  | '979      | '853      | '126   | 1'054            | 27th        | '765            | 10th  | '289            | '997  | 1'052     | '941      | '111   | 1'168            | 27th      | '855            | 9th   | '313            |
| Year      | '823  | '879      | '768      | '111   | 1'067            | ...         | '431            | ...   | '636            | '778  | '829      | '727      | '102   | 1'208            | ...       | '308            | ...   | '900            |

## 94. VIZAGAPATAM.

## 95. RAJAHMUNDY.

| MONTH.    | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Range. | Highest reading. | Date and hour. | Lowest reading. | Date and hour.    | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.          | Lowest reading. | Date. | Absolute range. |
|-----------|-------|----------|-----------|-----------|-----------|--------|------------------|----------------|-----------------|-------------------|-----------------|-------|-----------|-----------|--------|------------------|----------------|-----------------|-------|-----------------|
| January   | 29 +  | 29 +     | 29 +      | 29 +      | 29 +      |        | 29 +             |                | 29 +            |                   |                 | 29 +  | 29 +      | 29 +      |        | 29 +             |                | 29 +            |       |                 |
| January   | '998  | '963     | 1'066     | '938      | 1'024     | '128   | 1'208            | 5th, 10h.      | '811            | 25th & 28th, 16h. | '397            | '898  | '967      | '838      | '129   | 1'106            | 5th            | '712            | 24th  | '394            |
| February  | '958  | '924     | 1'027     | '892      | '988      | '135   | 1'124            | 9th, "         | '764            | 28th, "           | '360            | '869  | '943      | '794      | '149   | 1'025            | 9th            | '691            | 27th  | '334            |
| March     | '881  | '847     | '947      | '818      | '912      | '129   | 1'070            | 10th, "        | '672            | 25th, "           | '398            | '797  | '868      | '725      | '143   | '986             | 12th           | '590            | 25th  | '396            |
| April     | '792  | '760     | '858      | '729      | '821      | '129   | '946             | 23rd, "        | '617            | 11th, "           | '329            | '722  | '783      | '660      | '123   | '855             | 23rd           | '567            | 11th  | '288            |
| May       | '704  | '678     | '765      | '641      | '730      | '124   | '875             | 1st, "         | '484            | 29th, "           | '391            | '610  | '674      | '546      | '128   | '772             | 1st            | '414            | 28th  | '358            |
| June      | '579  | '556     | '624      | '524      | '611      | '100   | '741             | 25th, "        | '332            | 16th, "           | '409            | '519  | '574      | '464      | '110   | '693             | 25th           | '340            | 16th  | '353            |
| July      | '584  | '557     | '631      | '530      | '617      | '101   | '787             | 6th, 22h.      | '371            | 18th, "           | '416            | '536  | '583      | '489      | '094   | '713             | 6th            | '402            | 18th  | '311            |
| August    | '623  | '600     | '666      | '565      | '659      | '101   | '812             | 8th, 10h.      | '381            | 18th, "           | '431            | '554  | '606      | '502      | '104   | '713             | 8th            | '381            | 19th  | '332            |
| September | '688  | '660     | '739      | '624      | '727      | '115   | '841             | 4th, "         | '533            | 16th, "           | '308            | '612  | '671      | '554      | '117   | '763             | 5th            | '495            | 17th  | '268            |
| October   | '785  | '749     | '850      | '727      | '812      | '123   | '983             | 24th, "        | '552            | 19th, 4h.         | '431            | '695  | '750      | '640      | '110   | '884             | 28th           | '534            | 11th  | '350            |
| November  | '902  | '871     | '963      | '844      | '931      | '119   | 1'045            | 29th, "        | '649            | 23rd, 16h.        | '396            | '806  | '862      | '749      | '113   | '938             | 15th           | '565            | 8th   | '373            |
| December  | '994  | '956     | 1'062     | '936      | 1'022     | '126   | 1'177            | 26th, "        | '822            | 9th, 4h           | '355            | '900  | '959      | '840      | '119   | 1'069            | 26th & 27th, " | '689            | 9th   | '380            |
| Year      | '791  | '760     | '850      | '731      | '821      | '119   | 1'208            | ...            | '332            | ...               | '876            | '710  | '770      | '650      | '120   | 1'106            | ...            | '340            | ...   | '766            |

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

## 96. MASULIPATAM.

## 97. SECUNDERABAD.

| MONTH.      | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | 22 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date. | Absolute range. |
|-------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|-----------|-----------|-----------|--------|------------------|-------------|-----------------|-------|-----------------|
|             | 29 +  | 29 +      | 29 +      |        | 29 +             |       | 29 +            |       |                 | 27 +  | 27 +      | 27 +      | 27 +      |        | 28 +             |             | 27 +            |       |                 |
| January .   | '989  | 1'059     | '937      | '122   | 1'191            | 5th   | '824            | 24th  | '367            | 1'176 | 1'252     | 1'121     | 1'202     | '137   | '395             | 5th         | 1'000           | 24th  | '395            |
| February .  | '961  | 1'037     | '902      | '135   | 1'126            | 9th   | '803            | 27th  | '323            | 1'162 | 1'238     | 1'102     | 1'191     | '138   | '302             | 9th & 20th. | '991            | 1st   | '311            |
| March .     | '885  | '954      | '829      | '125   | 1'075            | 12th  | '692            | 25th  | '383            | 1'085 | 1'159     | 1'027     | 1'105     | '137   | '288             | 12th        | '922            | 27th  | '366            |
| April .     | '807  | '868      | '750      | '118   | '945             | 23rd  | '658            | 11th  | '287            | 1'024 | 1'090     | '965      | 1'038     | '132   | '147             | 23rd        | '875            | 11th  | '272            |
| May .       | '697  | '756      | '632      | '124   | '864             | 1st   | '511            | 28th  | '353            | '946  | 1'010     | '885      | '960      | '133   | '098             | 1st         | '804            | 28th  | '294            |
| June .      | '628  | '676      | '561      | '115   | '787             | 24th  | '417            | 15th  | '370            | '890  | '942      | '823      | '916      | '126   | '037             | 24th        | '695            | 14th  | '342            |
| July .      | '641  | '684      | '581      | '103   | '799             | 7th   | '495            | 18th  | '304            | '890  | '932      | '835      | '909      | '103   | '048             | 31st        | '748            | 22nd  | '300            |
| August .    | '664  | '710      | '602      | '108   | '812             | 7th   | '486            | 19th  | '326            | '924  | '973      | '859      | '952      | '119   | '061             | 24th        | '770            | 19th  | '291            |
| September . | '717  | '775      | '648      | '127   | '856             | 5th   | '577            | 1st   | '279            | '979  | 1'033     | '917      | 1'007     | '122   | '084             | 4th & 26th. | '827            | 1st   | '257            |
| October .   | '786  | '846      | '726      | '120   | '975             | 28th  | '616            | 11th  | '359            | 1'022 | 1'084     | '959      | 1'053     | '134   | '200             | 28th        | '860            | 1st   | '340            |
| November .  | '900  | '960      | '848      | '112   | 1'042            | 14th  | '642            | 8th   | '400            | 1'133 | 1'195     | 1'078     | 1'168     | '128   | '260             | 15th        | '922            | 9th   | '338            |
| December .  | '994  | 1'058     | '942      | '116   | 1'171            | 27th  | '761            | 9th   | '410            | 1'192 | 1'261     | 1'135     | 1'225     | '134   | '366             | 27th        | 1'015           | 9th   | '351            |
| Year .      | '806  | '865      | '747      | '119   | 1'191            | ...   | '417            | ...   | '774            | 1'035 | 1'097     | '976      | 1'061     | '129   | '395             | ...         | '695            | ...   | '700            |

## 98. KURNOOL.

## 99. BELLARY.

| MONTH.      | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | 22 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.        | Absolute range. |
|-------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|-----------|-----------|-----------|--------|------------------|-------|-----------------|--------------|-----------------|
|             | 28 +  | 28 +      | 28 +      |        | 28 +             |       | 28 +            |       |                 | 28 +  | 28 +      | 28 +      | 28 +      |        | 28 +             |       | 28 +            |              |                 |
| January .   | 1'057 | 1'132     | '981      | '151   | 1'275            | 5th   | '863            | 25th  | '412            | '459  | '539      | '394      | '493      | '151   | '675             | 5th   | '288            | 24th & 31st. | '387            |
| February .  | 1'033 | 1'113     | '952      | '161   | 1'193            | 20th  | '851            | 1st   | '342            | '448  | '535      | '379      | '481      | '159   | '603             | 9th   | '288            | 1st          | '315            |
| March .     | '949  | 1'032     | '865      | '167   | 1'160            | 12th  | '771            | 27th  | '389            | '370  | '459      | '307      | '384      | '157   | '550             | 13th  | '213            | 27th         | '337            |
| April .     | '866  | '944      | '787      | '157   | 1'020            | 23rd  | '701            | 14th  | '319            | '307  | '385      | '241      | '320      | '151   | '443             | 23rd  | '180            | 10th         | '263            |
| May .       | '793  | '876      | '718      | '149   | '934             | 4th   | '650            | 25th  | '284            | '240  | '312      | '169      | '258      | '152   | '380             | 18th  | '049            | 25th         | '331            |
| June .      | '766  | '830      | '701      | '129   | '906             | 24th  | '583            | 14th  | '323            | '230  | '282      | '161      | '256      | '128   | '357             | 25th  | '060            | 14th         | '297            |
| July .      | '776  | '832      | '720      | '112   | 934              | 31st  | '636            | 12th  | '298            | '241  | '285      | '175      | '272      | '116   | '389             | 31st  | '090            | 1st          | '299            |
| August .    | '808  | '868      | '748      | '120   | '988             | 24th  | '673            | 15th  | '315            | '273  | '326      | '205      | '301      | '126   | '428             | 24th  | '135            | 15th         | '293            |
| September . | '849  | '917      | '780      | '137   | '967             | 5th   | '691            | 29th  | '276            | '335  | '400      | '260      | '369      | '147   | '454             | 22nd  | '173            | 29th         | '281            |
| October .   | '893  | '959      | '827      | 132    | 1'062            | 24th  | '713            | 1st   | '349            | '365  | '429      | '296      | '402      | '143   | '531             | 24th  | '197            | 1st          | '334            |
| November .  | '989  | 1'048     | '929      | '119   | 1'126            | 14th  | '716            | 9th   | '410            | '448  | '517      | '385      | '487      | '144   | '600             | 14th  | '223            | 9th          | '377            |
| December .  | 1'065 | 1'128     | 1'002     | '126   | 1'234            | 27th  | '875            | 9th   | '359            | '507  | '582      | '444      | '543      | '147   | '680             | 27th  | '324            | 10th         | '356            |
| Year .      | '904  | '973      | '834      | '138   | 1'275            | ...   | '583            | ...   | '692            | '352  | '421      | '285      | '381      | '143   | '680             | ...   | '049            | ...          | '631            |

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

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## 100. MANGALORE.\*

## 101. MERCARA.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
| January   | 29 +  | 29 +      | 29 +      |        | 29 +             |       | 29 +            |       |                 | 26 +  | 26 +      | 26 +      |        | 26 +             |       | 25 +            |       |                 |
| January   | '928  | '987      | '869      | '118   | 1'044            | 4th   | '816            | 24th  | '228            | '319  | '366      | '272      | '094   | '427             | 5th   | 1'193           | 23rd  | '234            |
| February  | '919  | '985      | '852      | '133   | 1'039            | 20th  | '797            | 4th   | '242            | '317  | '371      | '262      | '109   | '422             | 9th   | 1'196           | 2nd   | '226            |
| March     | '889  | '951      | '826      | '125   | 1'031            | 10th  | '748            | 20th  | '283            | '299  | '354      | '243      | '111   | '423             | 2nd   | 1'179           | 27th  | '244            |
| April     | '841  | '899      | '783      | '116   | '967             | 2nd   | '694            | 14th  | '273            | '263  | '314      | '211      | '103   | '366             | 18th  | 1'157           | 14th  | '209            |
| May       | '771  | '822      | '719      | '103   | '879             | 17th  | '494            | 24th  | '385            | '199  | '244      | '153      | '091   | '298             | 17th  | '962            | 25th  | '336            |
| June      | '776  | '815      | '737      | '078   | '880             | 25th  | '648            | 15th  | '232            | '191  | '222      | '159      | '063   | '291             | 25th  | 1'082           | 14th  | '209            |
| July      | '791  | '829      | '753      | '076   | '899             | 30th  | '663            | 12th  | '236            | '189  | '223      | '155      | '068   | '286             | 29th  | 1'109           | 12th  | '177            |
| August    | '823  | '866      | '779      | '087   | '969             | 24th  | '679            | 12th  | '290            | '205  | '241      | '168      | '073   | '338             | 24th  | 1'091           | 12th  | '247            |
| September | '846  | '899      | '792      | '107   | '935             | 15th  | '723            | 29th  | '212            | '234  | '280      | '187      | '093   | '336             | 11th  | 1'137           | 2nd   | '199            |
| October   | '859  | '911      | '806      | '105   | 1'015            | 7th   | '717            | 26th  | '298            | '242  | '286      | '198      | '088   | '368             | 7th   | 1'110           | 26th  | '258            |
| November  | '889  | '946      | '832      | '114   | 1'052            | 14th  | '698            | 10th  | '354            | '281  | '327      | '234      | '093   | '422             | 14th  | 1'107           | 9th   | '315            |
| December  | '934  | '992      | '876      | '116   | 1'059            | 27th  | '785            | 10th  | '274            | '314  | '361      | '267      | '094   | '424             | 18th  | 1'167           | 9th   | '257            |
| Year      | '856  | '909      | '802      | '107   | 1'059            | ...   | '494            | ...   | '565            | '254  | '299      | '209      | '090   | '427             | ...   | '962            | ...   | '465            |

\* The readings of the 1st nine months have been corrected to the present elevation of 25'6 feet.

## 102. BANGALORE.

## 103. CUDDAPAH.

| MONTH.    | Mean. | 10 hours. | 16 hours. | 22 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|-----------|--------|------------------|-------------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
| January   | 26 +  | 26 +      | 26 +      | 26 +      |        | 26 +             |             | 26 +            |       |                 | 29 +  | 29 +      | 29 +      |        | 29 +             |       | 29 +            |       |                 |
| January   | 1'034 | 1'093     | '974      | 1'075     | '124   | 1'187            | 5th         | '892            | 23rd  | '295            | '590  | '646      | '534      | '112   | '780             | 5th   | '415            | 25th  | '365            |
| February  | 1'033 | 1'097     | '969      | 1'073     | '130   | 1'167            | 9th         | '871            | 2nd   | '296            | '564  | '625      | '504      | '121   | '702             | 20th  | '395            | 2nd   | '307            |
| March     | '986  | 1'051     | '913      | 1'030     | '143   | 1'132            | 10th        | '830            | 27th  | '302            | '476  | '536      | '415      | '121   | '657             | 12th  | '283            | 27th  | '374            |
| April     | '942  | '997      | '869      | '982      | '135   | 1'046            | 23rd        | '799            | 14th  | '247            | '395  | '452      | '337      | '115   | '510             | 23rd  | '253            | 14th  | '257            |
| May       | '872  | '925      | '804      | '905      | '128   | '980             | 8th         | '655            | 24th  | '325            | '327  | '384      | '270      | '114   | '455             | 18th  | '205            | 11th  | '250            |
| June      | '855  | '896      | '797      | '881      | '105   | '966             | 12th        | '694            | 14th  | '272            | '304  | '354      | '253      | '101   | '437             | 26th  | '140            | 14th  | '297            |
| July      | '854  | '893      | '798      | '878      | '101   | '977             | 31st        | '737            | 12th  | '240            | '315  | '361      | '268      | '093   | '455             | 31st  | '171            | 11th  | '284            |
| August    | '870  | '917      | '808      | '896      | '114   | 1'019            | 24th        | '734            | 19th  | '285            | '343  | '390      | '296      | '094   | '490             | 24th  | '220            | 19th  | '270            |
| September | '906  | '959      | '839      | '940      | '125   | '998             | 21st        | '761            | 30th  | '237            | '380  | '431      | '328      | '103   | '479             | 18th  | '256            | 29th  | '223            |
| October   | '922  | '979      | '862      | '952      | '125   | 1'054            | 7th & 24th. | '784            | 26th  | '270            | '430  | '478      | '381      | '097   | '575             | 24th  | '282            | 1st   | '293            |
| November  | '979  | 1'036     | '926      | 1'012     | '120   | 1'116            | 14th        | '698            | 9th   | '418            | '516  | '567      | '466      | '101   | '645             | 14th  | '158            | 9th   | '487            |
| December  | 1'032 | 1'090     | '978      | 1'067     | '119   | 1'171            | 27th        | '826            | 9th   | '345            | '599  | '652      | '546      | '106   | '763             | 27th  | '430            | 9th   | '333            |
| Year      | '940  | '994      | '878      | '974      | '122   | 1'187            | ...         | '655            | ..    | '532            | '437  | '490      | '383      | '107   | '780             | ...   | '140            | ...   | '640            |

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

## 104. MADRAS.

## 105. SALEM.

| MONTH.     | Mean. | 10 hours. | 16 hours. | 22 hours. | Range. | Highest reading. | Date and hour. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | 22 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date. | Absolute range. |
|------------|-------|-----------|-----------|-----------|--------|------------------|----------------|-----------------|-------|-----------------|-------|-----------|-----------|-----------|--------|------------------|-------------|-----------------|-------|-----------------|
|            | 29 +  | 29 +      | 29 +      | 29 +      |        | 29 +             |                | 29 +            |       |                 | 28 +  | 28 +      | 28 +      | 28 +      |        | 28 +             |             | 28 +            |       |                 |
| January .  | '993  | 1'052     | '934      | 1'034     | '124   | 1'149            | 9th, 10h       | '831            | 25th  | '318            | 1'056 | 1'140     | '984      | 1'098     | '162   | 1'229            | 9th         | '868            | 25th  | '361            |
| February . | '979  | 1'048     | '918      | 1'014     | '133   | 1'152            | 9th "          | '826            | 2nd   | '326            | 1'056 | 1'139     | '981      | 1'098     | '160   | 1'186            | 21st        | '892            | 2nd   | '294            |
| March .    | '908  | '978      | '844      | '937      | '139   | 1'115            | 10th "         | '714            | 26th  | '401            | '997  | 1'077     | '919      | 1'035     | '164   | 1'157            | 11th        | '811            | 27th  | '346            |
| April .    | '837  | '893      | '766      | '874      | '134   | '981             | 23rd "         | '696            | 14th  | '285            | '936  | 1'014     | '853      | '969      | '170   | 1'069            | 23rd        | '788            | 12th  | '281            |
| May .      | '730  | '781      | '662      | '765      | '126   | '869             | 1st "          | '579            | 23rd  | '290            | '865  | '938      | '783      | '896      | '165   | '992             | 14th        | '719            | 25th  | '273            |
| June .     | '699  | '749      | '630      | '731      | '126   | '818             | 25th "         | '515            | 16th  | '303            | '861  | '931      | '777      | '888      | '163   | '976             | 13th        | '738            | 17th  | '238            |
| July .     | '718  | '762      | '647      | '754      | '121   | '841             | 7th, 22h.      | '571            | 18th  | '270            | '852  | '921      | '766      | '882      | '164   | '972             | 31st        | '731            | 1st   | '241            |
| August .   | '733  | '779      | '668      | '765      | '116   | '886             | 24th, 10h.     | '574            | 19th  | '312            | '874  | '946      | '789      | '906      | '164   | 1'032            | 24th        | '749            | 12th  | '283            |
| September  | '771  | '820      | '696      | '817      | '130   | '876             | 22nd "         | '620            | 30th  | '256            | '906  | '984      | '825      | '936      | '166   | 1'022            | 22nd        | '767            | 1st   | '255            |
| October .  | '813  | '869      | '747      | '853      | '131   | '980             | 24th "         | '648            | 11th  | '332            | '908  | '988      | '834      | '940      | '165   | 1'058            | 24th        | '777            | 13th  | '281            |
| November   | '894  | '950      | '837      | '934      | '123   | 1'042            | 14th "         | '408            | 9th   | '634            | '973  | 1'057     | '904      | 1'010     | '167   | 1'137            | 14th & 15th | '750            | 9th   | '387            |
| December   | '977  | 1'033     | '918      | 1'019     | '123   | 1'133            | 19th "         | '584            | 9th   | '549            | 1'039 | 1'123     | '972      | 1'075     | '161   | 1'207            | 27th        | '845            | 10th  | '362            |
| Year .     | '838  | '893      | '772      | '875      | '127   | 1'152            | ...            | '515            | ...   | '637            | '944  | 1'022     | '866      | '978      | '164   | 1'229            | ...         | '719            | ...   | '510            |

## 106. WELLINGTON.

## 107. CALCUT.

| MONTH.     | Mean. | 10 hours. | 16 hours. | 22 hours. | Range. | Highest reading. | Date and hour.         | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.       | Absolute range. |
|------------|-------|-----------|-----------|-----------|--------|------------------|------------------------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------------|-----------------|
|            | 24 +  | 24 +      | 24 +      | 24 +      |        | 24 +             |                        | 23 +            |       |                 | 29 +  | 29 +      | 29 +      |        | 29 +             |       | 29 +            |             |                 |
| January .  | '290  | '315      | '265      | '309      | '052   | '376             | 6th, 10h.              | 1'200           | 31st  | '176            | '913  | '982      | '843      | '139   | 1'053            | 9th   | '785            | 23rd & 28th | '268            |
| February . | '306  | '333      | '271      | '334      | '063   | '385             | 24th - "               | 1'186           | 1st   | '199            | '905  | '982      | '827      | '155   | 1'037            | 20th  | '768            | 28th        | '269            |
| March .    | '295  | '325      | '260      | '319      | '068   | '396             | 4th "                  | 1'187           | 26th  | '209            | '876  | '947      | '805      | '142   | 1'031            | 10th  | '746            | 26th        | '285            |
| April .    | '275  | '301      | '239      | '297      | '065   | '350             | 23rd, 22h.             | 1'194           | 11th  | '156            | '833  | '897      | '768      | '129   | 973              | 18th  | '698            | 14th        | '275            |
| May .      | '205  | '232      | '165      | '227      | '071   | '294             | 17th, 10h.             | '971            | 24th  | '323            | '777  | '830      | '724      | '106   | '892             | 6th   | '521            | 24th        | '371            |
| June .     | '178  | '201      | '141      | '198      | '063   | '251             | 25th "                 | 1'051           | 16th  | '200            | '797  | '837      | '756      | '081   | '903             | 25th  | '677            | 14th        | '226            |
| July .     | '171  | '192      | '133      | '193      | '063   | '247             | 5th, 22h. & 30th, 10h. | 1'087           | 12th  | '160            | '813  | '849      | '776*     | '073   | '932             | 30th  | '728            | 19th        | '204            |
| August .   | '179  | '202      | '137      | '205      | '069   | '297             | 24th, 10h.             | 1'061           | 12th  | '236            | '836  | '880      | '791      | '089   | '973             | 24th  | '722            | 12th        | '251            |
| September  | '214  | '243      | '164      | '246      | '083   | '278             | 21st, 22h.             | 1'095           | 2nd   | '183            | '857  | '912      | '802      | '110   | '951             | 15th  | '739            | 2nd         | '212            |
| October .  | '220  | '250      | '179      | '250      | '076   | '315             | 24th, 10h.             | 1'120           | 11th  | '195            | '858  | '914      | '802      | '112   | 1'010            | 7th   | '703            | 26th        | '307            |
| November . | '255  | '286      | '217      | '286      | '075   | '365             | 14th "                 | 1'068           | 9th   | '297            | '885  | '945      | '825      | '120   | 1'035            | 14th  | '735            | 8th         | '300            |
| December . | '280  | '311      | '243      | '311      | '072   | '366             | 27th "                 | 1'130           | 9th   | '236            | '925  | '986      | '864      | '122   | 1'059            | 27th  | '795            | 9th         | '264            |
| Year .     | '239  | '266      | '201      | '265      | '068   | '396             | ...                    | '971            | ...   | '425            | '856  | '913      | '799      | '115   | 1'059            | ...   | '521            | ...         | '538            |

\* Mean of 29 days.

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

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108. COIMBATORE.

109. TRICHINOPOLY.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | 22 hours. | Range. | Highest reading. | Date and hour. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|-------|-----------|-----------|-----------|--------|------------------|----------------|-----------------|-------|-----------------|
| January   | 28 +  | 28 +      | 28 +      |        | 28 +             |       | 28 +            |       |                 | 29 +  | 29 +      | 29 +      | 29 +      |        | 29 +             |                | 29 +            |       |                 |
| January   | '597  | '672      | '536      | '136   | '763             | 8th   | '440            | 23rd  | '323            | '723  | '794      | '657      | '764      | '143   | '893             | 5th, 10h.      | '576            | 24th  | '317            |
| February  | '595  | '684      | '523      | '161   | '760             | 9th   | '431            | 1st   | '329            | '717  | '794      | '643      | '764      | '154   | '869             | 9th, "         | '548            | 3rd   | '321            |
| March     | '547  | '634      | '468      | '166   | '725             | 10th  | '365            | 26th  | '360            | '656  | '731      | '571      | '707      | '167   | '819             | 12th, "        | '442            | 26th  | '377            |
| April     | '493  | '567      | '412      | '155   | '625             | 23rd  | '354            | 14th  | '271            | '588  | '660      | '501      | '628      | '165   | '730             | 23rd, "        | '450            | 14th  | '280            |
| May       | '434  | '483      | '367      | '116   | '587             | 14th  | '198            | 24th  | '389            | '508  | '567      | '430      | '547      | '145   | '673             | 14th, "        | '306            | 24th  | '367            |
| June      | '429  | '467      | '368      | '099   | '527             | 25th  | '288            | 14th  | '239            | '506  | '554      | '432      | '541      | '129   | '636             | 11th, "        | '323            | 14th  | '313            |
| July      | '441  | '476      | '383      | '093   | '546             | 30th  | '328            | 19th  | '218            | '516  | '561      | '449      | '549      | '119   | '641             | 6th, 22h.      | '377            | 19th  | '264            |
| August    | '454  | '496      | '390      | '106   | '593             | 24th  | '317            | 12th  | '276            | '523  | '577      | '451      | '555      | '131   | '665             | 24th, 10h.     | '387            | 19th  | '278            |
| September | '478  | '536      | '403      | '133   | '579             | 22nd  | '339            | 30th  | '240            | '554  | '614      | '476      | '595      | '144   | '657             | 21st, "        | '367            | 29th  | '290            |
| October   | '491  | '548      | '422      | '126   | '632             | 24th  | '347            | 11th  | '285            | '579  | '638      | '510      | '621      | '137   | '733             | 29th, "        | '423            | 12th  | '310            |
| November  | '545  | '611      | '479      | '132   | '698             | 14th  | '331            | 9th   | '367            | '652  | '717      | '587      | '696      | '141   | '813             | 14th, "        | '402            | 9th   | '411            |
| December  | '598  | '670      | '530      | '140   | '744             | 27th  | '420            | 9th   | '324            | '712  | '779      | '656      | '744      | '131   | '867             | 26th, "        | '519            | 9th   | '348            |
| Year      | '509  | '570      | '440      | '130   | '763             | ...   | '198            | ...   | '565            | '603  | '666      | '530      | '643      | '142   | '893             | ...            | '306            | ...   | '587            |

110. NEGAPATAM.

111. MADURA.

| MONTH.    | Mean. | 10 hours. | 16 hours. | 22 hours. | Range. | Highest reading. | Date.       | Lowest reading. | Date and hour. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.     | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|-----------|--------|------------------|-------------|-----------------|----------------|-----------------|-------|-----------|-----------|--------|------------------|-----------|-----------------|-------|-----------------|
| January   | 29 +  | 29 +      | 29 +      | 29 +      |        | 29 +             |             | 29 +            |                |                 | 29 +  | 29 +      | 29 +      |        | 29 +             |           | 29 +            |       |                 |
| January   | '965  | 1'020     | '918      | '998      | '110   | 1'104            | 8th         | '840            | 26th, 16h.     | '264            | '523  | '593      | '453      | '140   | '675             | 8th & 9th | '364            | 23rd  | '311            |
| February  | '963  | 1'027     | '908      | '991      | '121   | 1'120            | 9th         | '832            | 1st & 3rd "    | '288            | '515  | '591      | '434      | '157   | '644             | 9th       | '347            | 3rd   | '297            |
| March     | '905  | '968      | '851      | '927      | '121   | 1'054            | 11th        | '726            | 26th, "        | '328            | '457  | '532      | '368      | '164   | '610             | 10th      | '260            | 25th  | '350            |
| April     | '845  | '902      | '785      | '868      | '123   | '970             | 23rd        | '728            | 11th, "        | '242            | '398  | '467      | '308      | '159   | '527             | 23rd      | '258            | 29th  | '269            |
| May       | '740  | '794      | '677      | '765      | '124   | '863             | 14th & 17th | '291            | 23rd, 22h.     | '572            | '312  | '367      | '234      | '133   | '448             | 14th      | '090            | 24th  | '358            |
| June      | '734  | '778      | '672      | '760      | '112   | '840             | 11th        | '574            | 14th, 16h.     | '266            | '309  | '360      | '237      | '123   | '434             | 11th      | '154            | 14th  | '280            |
| July      | '749  | '790      | '689      | '775      | '108   | '852             | 30th        | '628            | 18th, "        | '224            | '315  | '364      | '250      | '114   | '437             | 30th      | '186            | 19th  | '251            |
| August    | '763  | '811      | '703      | '787      | '113   | '907             | 24th        | '619            | 19th, "        | '288            | '331  | '383      | '260      | '123   | '478             | 24th      | '190            | 19th  | '288            |
| September | '797  | '853      | '727      | '832      | '132   | '900             | 21st        | '647            | 30th, "        | '253            | '361  | '424      | '284      | '140   | '460             | 21st      | '204            | 30th  | '256            |
| October   | '820  | '877      | '759      | '855      | '127   | '974             | 29th        | '669            | 11th, "        | '305            | '377  | '442      | '306      | '136   | '526             | 24th      | '223            | 12th  | '303            |
| November  | '894  | '949      | '838      | '933      | '121   | 1'033            | 14th        | '634            | 9th, "         | '399            | '447  | '516      | '378      | '138   | '601             | 13th      | '195            | 9th   | '406            |
| December  | '954  | 1'012     | '902      | '988      | '117   | 1'092            | 26th        | '730            | 9th, "         | '362            | '503  | '572      | '436      | '136   | '647             | 21st      | '286            | 9th   | '361            |
| Year      | '844  | '898      | '786      | '873      | '119   | 1'120            | ...         | '291            | ...            | '829            | '404  | '468      | '329      | '139   | '675             | ...       | '090            | ...   | '585            |

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

## 112. COCHIN.

## 113. COLOMBO.

| MONTH.    | Mean. | 10 hours. | 16 hours. | 22 hours. | Range. | Highest reading. | Date and hour.    | Lowest reading. | Date. | Absolute range. | Mean. | 9½ hours. | 15½ hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|-----------|--------|------------------|-------------------|-----------------|-------|-----------------|-------|-----------|------------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 29 +  | 29 +      | 29 +      | 29 +      |        | 29 +             |                   | 29 +            |       |                 | 29 +  | 29 +      | 29 +       |        | 29 +             |       | 29 +            |       |                 |
| January   | '914  | '979      | '848      | '960      | '137   | 1'058            | 4th, 22h.         | '788            | 23rd  | '270            | '880  | '943      | '817       | '126   | 1'011            | 5th   | '762            | 23rd  | '249            |
| February  | '909  | '987      | '833      | '957      | '156   | 1'038            | 20th, 10h.        | '776            | 5th   | '262            | '877  | '942      | '811       | '131   | 1'011            | 9th   | '752            | 5th   | '259            |
| March     | '884  | '955      | '809      | '927      | '150   | 1'036            | 10th "            | '731            | 20th  | '305            | '859  | '922      | '796       | '126   | 1'004            | 10th  | '708            | 28th  | '296            |
| April     | '852  | '909      | '779      | '891      | '137   | '993             | 18th "            | '713            | 14th  | '280            | '830  | '883      | '776       | '107   | '951             | 23rd  | '710            | 13th  | '241            |
| May       | '800  | '844      | '741      | '831      | '110   | '902             | 17th, 22h.        | '584            | 24th  | '318            | '779  | '826      | '732       | '094   | '893             | 17th  | '639            | 24th  | '254            |
| June      | '830  | '865      | '781      | '851      | '090   | '925             | 25th, 10h.        | '715            | 13th  | '210            | '800  | '843      | '757       | '086   | '901             | 4th   | '689            | 30th  | '212            |
| July      | '850  | '879      | '798      | '880      | '086   | '957             | 30th, "           | '745            | 12th  | '212            | '804  | '847      | '761       | '086   | '901             | 30th  | '697            | 1st   | '204            |
| August    | '868  | '906      | '810      | '900      | '101   | 1'002            | 24th, "           | '749            | 29th  | '253            | '823  | '870      | '775       | '095   | '960             | 24th  | '706            | 1st   | '254            |
| September | '884  | '931      | '818      | '923      | '119   | '973             | 11th & 15th, 10h. | '759            | 2nd   | '214            | '846  | '899      | '792       | '107   | '965             | 6th   | '697            | 2nd   | '268            |
| October   | '879  | '930      | '821      | '914      | '118   | 1'032            | 7th 10h.          | '722            | 26th  | '310            | '849  | '905      | '793       | '112   | '989             | 7th   | '695            | 26th  | '294            |
| November  | '894  | '956      | '833      | '936      | '134   | 1'067            | 14th "            | '735            | 9th   | '332            | '860  | '918      | '801       | '117   | 1'022            | 13th  | '714            | 8th   | '308            |
| December  | '927  | '989      | '868      | '966      | '128   | 1'058            | 27th "            | '798            | 9th   | '260            | '887  | '947      | '826       | '121   | 1'005            | 27th  | '739            | 9th   | '266            |
| Year      | '874  | '928      | '812      | '911      | '122   | 1'058            | ...               | '584            | ...   | '474            | '841  | '895      | '786       | '109   | 1'022            | ...   | '639            | ...   | '383            |

## 114. JAFFNA.

## 115. TRINCOMALEE.

| MONTH.    | Mean. | 9½ hours. | 15½ hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.       | Absolute range. | Mean. | 9½ hours. | 15½ hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|------------|--------|------------------|-------|-----------------|-------------|-----------------|-------|-----------|------------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 29 +  | 29 +      | 29 +       |        | 29 +             |       | 29 +            |             |                 | 29 +  | 29 +      | 29 +       |        | 29 +             |       | 29 +            |       |                 |
| January   | '956  | 1'012     | '899       | '113   | 1'097            | 8th   | '827            | 23rd        | '270            | '871  | '922      | '820       | '102   | 1'036            | 8th   | '740            | 22nd  | '296            |
| February  | '957  | 1'019     | '895       | '124   | 1'076            | 24th  | '811            | 3rd         | '265            | '871  | '925      | '816       | '109   | '997             | 9th   | '739            | 3rd   | '258            |
| March     | '905  | '968      | '842       | '126   | 1'046            | 4th   | '737            | 26th        | '309            | '818  | '882      | '754       | '128   | '972             | 10th  | '664            | 25th  | '308            |
| April     | '846  | '909      | '782       | '127   | '967             | 23rd  | '730            | 12th & 14th | '237            | '773  | '833      | '712       | '121   | '887             | 23rd  | '648            | 30th  | '239            |
| May       | '755  | '808      | '701       | '107   | '891             | 17th  | '563            | 23rd        | '328            | '681  | '733      | '628       | '105   | '801             | 17th  | '545            | 24th  | '256            |
| June      | '756  | '804      | '707       | '097   | '874             | 11th  | '628            | 14th        | '246            | '683  | '730      | '636       | '094   | '799             | 11th  | '564            | 14th  | '235            |
| July      | '764  | '814      | '714       | '100   | '873             | 6th   | '656            | 18th        | '217            | '687  | '738      | '635       | '103   | '800             | 30th  | '572            | 18th  | '228            |
| August    | '782  | '836      | '728       | '108   | '932             | 24th  | '649            | 19th        | '283            | '702  | '753      | '650       | '103   | '832             | 24th  | '592            | 19th  | '240            |
| September | '813  | '873      | '752       | '121   | '912             | 7th   | '659            | 2nd         | '253            | '728  | '785      | '671       | '114   | '843             | 6th   | '611            | 30th  | '232            |
| October   | '833  | '892      | '774       | '118   | '970             | 7th   | '692            | 26th        | '278            | '748  | '808      | '687       | '121   | '876             | 28th  | '628            | 26th  | '248            |
| November  | '886  | '946      | '826       | '120   | 1'040            | 14th  | '660            | 9th         | '380            | '807  | '863      | '751       | '112   | '963             | 13th  | '585            | 8th   | '378            |
| December  | '944  | 1'000     | '888       | '112   | 1'084            | 26th  | '744            | 9th         | '340            | '863  | '920      | '806       | '114   | 1'000            | 27th  | '672            | 8th   | '328            |
| Year      | '850  | '907      | '792       | '114   | 1'097            | ...   | '563            | ...         | '534            | '769  | '824      | '714       | '111   | 1'036            | ...   | '545            | ...   | '491            |

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

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## 116. BATTICALOA.

## 117. HAMBANTOTA.

| MONTH.    | Mean. | 9½ hours. | 15½ hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.       | Absolute range. | Mean. | 9½ hours. | 15½ hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|------------|--------|------------------|-------|-----------------|-------------|-----------------|-------|-----------|------------|--------|------------------|-------|-----------------|-------|-----------------|
| January   | 29+   | 29+       | 29+        |        | 29+              |       | 29+             |             |                 | 29+   | 29+       | 29+        |        | 29+              |       | 29+             |       |                 |
| January   | '925  | '965      | '885       | '080   | 1'031            | 9th   | '813            | 22nd        | '218            | '857  | '915      | '798       | '117   | '963             | 2nd   | '728            | 23rd  | '235            |
| February  | '934  | '976      | '891       | '085   | 1'026            | 9th   | '828            | 2nd         | '198            | '858  | '922      | '793       | '129   | '971             | 9th   | '743            | 3rd   | '228            |
| March     | '926  | '972      | '879       | '093   | 1'024            | 10th  | '819            | 26th        | '205            | '839  | '903      | '774       | '129   | '985             | 10th  | '698            | 25th  | '287            |
| April     | '841  | '883      | '799       | '084   | '973             | 1st   | '750            | 12th        | '223            | '861  | '860      | '742       | '118   | '930             | 23rd  | '681            | 10th  | '249            |
| May       | '757  | '797      | '716       | '081   | '862             | 17th  | '640            | 24th        | '222            | '735  | '790      | '679       | '111   | '844             | 17th  | '613            | 24th  | '231            |
| June      | '756  | '796      | '717       | '079   | '852             | 11th  | '648            | 14th        | '204            | '755  | '806      | '704       | '102   | '861             | 3rd   | '648            | 20th  | '213            |
| July      | '759  | '797      | '721       | '076   | '853             | 7th   | '665            | 19th        | '188            | '752  | '806      | '698       | '108   | '871             | 30th  | '645            | 3rd   | '226            |
| August    | '771  | '812      | '730       | '082   | '897             | 24th  | '685            | 19th & 29th | '212            | '766  | '823      | '708       | '115   | '907             | 23rd  | '642            | 19th  | '265            |
| September | '801  | '845      | '757       | '088   | '921             | 6th   | '682            | and         | '239            | '789  | '849      | '729       | '120   | '950             | 6th   | '613            | 2nd   | '337            |
| October   | '816  | '859      | '772       | '087   | '923             | 6th   | '711            | 2nd         | '212            | '802  | '862      | '741       | '121   | '936             | 7th   | '656            | 26th  | '280            |
| November  | '861  | '905      | '816       | '089   | '994             | 14th  | '686            | 8th         | '308            | '825  | '886      | '764       | '122   | 1'018            | 13th  | '679            | 6th   | '339            |
| December  | '903  | '946      | '860       | '086   | 1'026            | 27th  | '748            | 9th         | '278            | '848  | '905      | '791       | '114   | '982             | 27th  | '658            | 8th   | '324            |
| Year      | '838  | '879      | '795       | '084   | 1'031            | ...   | '640            | ...         | '391            | '802  | '861      | '743       | '117   | 1'018            | ...   | '613            | ...   | '405            |

## 118. GALLE.

## 119. KANDY.

| MONTH.    | Mean. | 9½ hours. | 15½ hours. | Range. | Highest reading. | Date.     | Lowest reading. | Date. | Absolute range. | Mean.         | 9½ hours. | 15½ hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.       | Absolute range. |
|-----------|-------|-----------|------------|--------|------------------|-----------|-----------------|-------|-----------------|---------------|-----------|------------|--------|------------------|-------|-----------------|-------------|-----------------|
| January   | 29+   | 29+       | 29+        |        | 29+              |           | 29+             |       |                 | 28+           | 28+       | 28+        |        | 28+              |       | 27+             |             |                 |
| January   | '864  | '918      | '810       | '108   | '976             | 1st & 2nd | '736            | 24th  | '240            | '223          | '279      | '167       | '112   | '354             | 9th   | 1'094           | 23rd        | '260            |
| February  | '860  | '918      | '801       | '117   | '991             | 9th       | '735            | 28th  | '256            | '218          | '275      | '160       | '115   | '370             | 9th   | 1'099           | 3rd         | '271            |
| March     | '845  | '899      | '791       | '108   | '990             | 10th      | '709            | 21st  | '281            | '201          | '263      | '139       | '124   | '335             | 10th  | 1'072           | 26th & 27th | '263            |
| April     | '806  | '858      | '754       | '104   | '920             | 1st       | '674            | 12th  | '246            | '170          | '227      | '113       | '114   | '286             | 23rd  | 1'055           | 14th        | '231            |
| May       | '757  | '796      | '718       | '078   | '842             | 17th      | '632            | 23rd  | '210            | '128          | '172      | '084       | '088   | '225             | 21st  | '986            | 24th        | '239            |
| June      | '782  | '818      | '746       | '072   | '888             | 11th      | '682            | 30th  | '206            | '135          | '176      | '094       | '082   | '241             | 11th  | 1'023           | 30th        | '218            |
| July      | '784  | '819      | '748       | '071   | '878             | 30th      | '693            | 1st   | '185            | Not recorded. |           |            |        |                  |       |                 |             |                 |
| August    | '811  | '855      | '767       | '088   | '946             | 24th      | '682            | 1st   | '264            | '162          | '209      | '114       | '095   | '305             | 24th  | 1'039           | 1st         | '266            |
| September | '836  | '888      | '783       | '105   | '964             | 6th       | '683            | 2nd   | '281            | Not recorded. |           |            |        |                  |       |                 |             |                 |
| October   | '840  | '888      | '792       | '096   | '972             | 7th       | '687            | 26th  | '285            | '165          | '217      | '112       | '105   | '245             | 20th  | 1'033           | 26th        | '212            |
| November  | '848  | '899      | '797       | '102   | 1'020            | 13th      | '695            | 8th   | '325            | '192          | '242      | '141       | '101   | '353             | 13th  | 1'040           | 8th         | '313            |
| December  | '874  | '928      | '820       | '108   | '996             | 14th      | '718            | 8th   | '278            | '222          | '273      | '171       | '102   | '332             | 20th  | 1'086           | 9th         | '246            |
| Year      | '826  | '874      | '777       | '096   | 1'020            | ...       | '632            | ...   | '388            | ?             | ?         | ?          | ?      | '370             | ...   | ?               | ...         | ?               |

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

## 120. NEWERA ELIYA.

## 121. MANDALAY.

| MONTH.    | Mean.  | 9<br>hours. | 15<br>hours. | Range. | Highest<br>reading. | Date. | Lowest<br>reading. | Date.          | Absol-<br>ute<br>range. | Mean.                                | 10<br>hours. | 16<br>hours. | Range. | Highest<br>reading. | Date. | Lowest<br>reading. | Date. | Absol-<br>ute<br>range. |
|-----------|--------|-------------|--------------|--------|---------------------|-------|--------------------|----------------|-------------------------|--------------------------------------|--------------|--------------|--------|---------------------|-------|--------------------|-------|-------------------------|
|           | 23 +   | 23 +        | 23 +         |        | 24 +                |       | 23 +               |                |                         | 29 +                                 | 29 +         | 29 +         |        | 29 +                |       | 29 +               |       | ...                     |
| January   | '1'006 | '1'040      | '971         | '069   | '097                | 29th  | '944               | 30th           | '153                    | Observatory opened in November 1886. |              |              |        |                     |       |                    |       |                         |
| February  | '1'004 | '1'035      | '972         | '063   | '093                | 20th  | '934               | 7th            | '159                    |                                      |              |              |        |                     |       |                    |       |                         |
| March     | '1'005 | '1'045      | '965         | '080   | '125                | 9th   | '888               | 26th           | '237                    |                                      |              |              |        |                     |       |                    |       |                         |
| April     | '981   | '1'028      | '933         | '095   | '089                | 23rd  | '855               | 14th           | '234                    |                                      |              |              |        |                     |       |                    |       |                         |
| May       | '989   | '1'029      | '948         | '081   | '087                | 17th  | '811               | 19th           | '276                    |                                      |              |              |        |                     |       |                    |       |                         |
| June      | '988   | '1'020      | '956         | '064   | '087                | 11th  | '865               | 30th           | '222                    |                                      |              |              |        |                     |       |                    |       |                         |
| July      | '932   | '963        | '900         | '063   | '074                | 25th  | '853               | 2nd            | '221                    |                                      |              |              |        |                     |       |                    |       |                         |
| August    | '980   | '1'011      | '948         | '063   | '093                | 23rd  | '901               | 6th &<br>30th. | '192                    |                                      |              |              |        |                     |       |                    |       |                         |
| September | '1'005 | '1'046      | '964         | '082   | '097                | 13th  | '865               | 2nd            | '232                    |                                      |              |              |        |                     |       |                    |       |                         |
| October   | '1'007 | '1'046      | '967         | '079   | '093                | 9th   | '911               | 1st &<br>12th. | '182                    |                                      |              |              |        |                     |       |                    |       |                         |
| November  | '1'013 | '1'048      | '978         | '070   | '133                | 16th  | '853               | 8th            | '280                    | '720                                 | '779         | '661         | '118   | '857                | 22nd  | '544               | 18th  | '313                    |
| December  | '1'025 | '1'060      | '990         | '070   | '138                | 27th  | '878               | 8th            | '260                    | '759                                 | '829         | '688         | '141   | '931                | 11th  | '588               | 16th  | '343                    |
| Year      | '995   | '1'031      | '958         | '073   | '138                | ...   | '811               | ...            | '327                    | ...                                  | ...          | ...          | ...    | ...                 | ...   | ...                | ...   | ...                     |

## 122. AKYAB.

## 123. THAYETMYO.

| MONTH.    | Mean.  | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.        | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|--------|-----------|-----------|--------|------------------|-------|-----------------|--------------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 29 +   | 29 +      | 29 +      |        | 29 +             |       | 29 +            |              |                 | 29 +  | 29 +      | 29 +      |        | 29 +             |       | 29 +            |       |                 |
| January   | '992   | '1'059    | '932      | '127   | '1'192           | 5th   | '798            | 24th         | '394            | '849  | '920      | '777      | '143   | '1'075           | 4th   | '636            | 24th  | '439            |
| February  | '957   | '1'029    | '901      | '128   | '1'128           | 20th  | '800            | 15th         | '328            | '791  | '871      | '710      | '161   | '942             | 20th  | '635            | 27th  | '307            |
| March     | '908   | '971*     | '856*     | '115   | '1'099           | 10th  | '754            | 23rd         | '345            | '724  | '804      | '644      | '160   | '945             | 10th  | '517            | 23rd  | '428            |
| April     | '846   | '909      | '790      | '119   | '984             | 22nd  | '724            | 10th & 11th. | '260            | '656  | '740      | '572      | '168   | '831             | 6th   | '513            | 3rd   | '318            |
| May       | '775   | '825†     | '717†     | '108   | '898             | 1st   | '601            | 9th          | '297            | '610  | '681      | '538      | '143   | '753             | 21st  | '405            | 9th   | '348            |
| June      | '668   | '704      | '626      | '078   | '809             | 10th  | '424            | 14th         | '385            | '566  | '614      | '517      | '097   | '725             | 10th  | '384            | 12th  | '341            |
| July      | '679   | '717      | '634      | '083   | '854             | 30th  | '507            | 16th         | '347            | '573  | '618      | '527      | '091   | '729             | 5th   | '430            | 15th  | '299            |
| August    | '720   | '762      | '669      | '093   | '898             | 8th   | '582            | 16th         | '316            | '600  | '651      | '548      | '103   | '760             | 7th   | '445            | 15th  | '315            |
| September | '775   | '829†     | '714†     | '115   | '966             | 6th   | '616            | 12th         | '350            | '648  | '712      | '583      | '129   | '786             | 30th  | '509            | 9th   | '277            |
| October   | '843   | '900      | '777      | '123   | '1'014           | 24th  | '660            | 19th         | '354            | '711  | '778      | '644      | '134   | '881             | 24th  | '535            | 18th  | '346            |
| November  | '932   | '989      | '870      | '119   | '1'101           | 23rd  | '812            | 5th          | '289            | '824  | '886      | '762      | '124   | '995             | 23rd  | '704            | 17th  | '291            |
| December  | '1'005 | '1'062    | '947      | '115   | '1'165           | 27th  | '848            | 6th          | '317            | '875  | '942      | '807      | '135   | '1'058           | 27th  | '721            | 1st   | '337            |
| Year      | '842   | '896      | '786      | '110   | '1'192           | ...   | '424            | ...          | '768            | '702  | '768      | '636      | '132   | '1'075           | ...   | '384            | ...   | '691            |

\* Mean of 30 days.

† " " 29 "



TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

129

## 124. TOUNGOO.

## 125. BASSEIN.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.        | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|--------------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 29+   | 29+       | 29+       |        | 29+              |       | 29+             |              |                 | 29+   | 29+       | 29+       |        | 29+              |       | 29+             |       |                 |
| January   | '776  | '836      | '716      | '120   | '976             | 5th   | '576            | 24th         | '400            | '942  | 1'002     | '881      | '121   | 1'150            | 5th   | '763            | 24th  | '387            |
| February  | '734  | '799      | '668      | '131   | '868             | 20th  | '618            | 28th         | '250            | '920  | '980      | '859      | '121   | 1'037            | 9th   | '767            | 1st   | '270            |
| March     | '667  | '742      | '592      | '150   | '860             | 10th  | '485            | 23rd         | '375            | '872  | '931      | '813      | '118   | 1'035            | 10th  | '731            | 23rd  | '304            |
| April     | '596  | '679      | '512      | '167   | '747             | 23rd  | '446            | 10th & 14th. | '301            | '814  | '874      | '754      | '120   | '937             | 22nd  | '699            | 28th  | '238            |
| May       | '561  | '629      | '492*     | '137   | '700             | 1st   | '363            | 8th          | '337            | '749  | '803      | '694      | '109   | '869             | 1st   | '586            | 7th   | '283            |
| June      | '520  | '568      | '471      | '097   | '658             | 10th  | '326            | 13th         | '332            | '699  | '738      | '659      | '079   | '822             | 24th  | '484            | 13th  | '338            |
| July      | '532  | '575      | '489      | '086   | '677             | 5th   | '399            | 13th         | '278            | '712  | '752      | '671      | '081   | '860             | 6th   | '578            | 18th  | '282            |
| August    | '546  | '591      | '501      | '090   | '698             | 7th   | '380            | 15th         | '318            | '732  | '776      | '687      | '089   | '884             | 8th   | '621            | 15th  | '263            |
| September | '582  | '640      | '523      | '117   | '699             | 30th  | '460            | 17th         | '239            | '768  | '820      | '715      | '105   | '880             | 6th   | '665            | 11th  | '215            |
| October   | '632  | '694      | '569      | '125   | '839             | 24th  | '445            | 18th         | '394            | '828  | '888      | '768      | '120   | '975             | 24th  | '663            | 18th  | '312            |
| November  | '733  | '789      | '677      | '112   | '894             | 23rd  | '615            | 17th         | '279            | '889  | '946      | '831      | '115   | 1'057            | 23rd  | '756            | 17th  | '301            |
| December  | '784  | '848      | '720      | '128   | '943             | 27th  | '641            | 1st          | '302            | '955  | 1'018     | '892      | '126   | 1'120            | 27th  | '802            | 6th   | '318            |
| Year      | '639  | '699      | '578      | '122   | '976             | ...   | '326            | ...          | '650            | '823  | '877      | '769      | '109   | 1'150            | ...   | '484            | ...   | '666            |

\* Mean of 30 days.

N. B.—These readings appear unduly low.

## 126. DIAMOND ISLAND.

## 127. RANGOON.

| MONTH.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.      | Lowest reading. | Date.        | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|------------|-----------------|--------------|-----------------|-------|-----------|-----------|--------|------------------|-------|-----------------|-------|-----------------|
|           | 29+   | 29+       | 29+       |        | 29+              |            | 29+             |              |                 | 29+   | 29+       | 29+       |        | 29+              |       | 29+             |       |                 |
| January   | '942  | 1'000*    | '883*     | '117   | 1'144            | 5th        | '770            | 24th         | '374            | '947  | 1'011     | '882      | '129   | 1'161            | 5th   | '764            | 24th  | '397            |
| February  | '929  | '993      | '865†     | '128   | 1'056            | 20th       | '762            | 1st          | '294            | '928  | '993      | '862      | '131   | 1'058            | 6th   | '793            | 1st   | '265            |
| March     | '895  | '948      | '841*     | '107   | 1'052            | 10th       | '753            | 23rd         | '299            | '864  | '935      | '792      | '143   | 1'056            | 1st   | '688            | 23rd  | '368            |
| April     | '843  | '902      | '784      | '118   | '973             | 22nd       | '732            | 14th         | '241            | '803  | '877      | '729      | '148   | '956             | 22nd  | '652            | 14th  | '304            |
| May       | '751  | '793‡     | '708‡     | '085   | '886             | 1st        | '550            | 7th          | '336            | '763  | '821      | '705      | '116   | '886             | 1st   | '581            | 8th   | '305            |
| June      | '741  | '776      | '706§     | '070   | '907             | 25th       | '538            | 13th         | '369            | '718  | '760      | '676      | '084   | '841             | 10th  | '495            | 13th  | '346            |
| July      | '761  | '801      | '721      | '080   | '915             | 6th        | '635            | 18th         | '280            | '729  | '772      | '686      | '086   | '880             | 6th   | '596            | 18th  | '284            |
| August    | '752  | '792      | '712      | '080   | '887             | 7th & 8th. | '639            | 15th         | '248            | '746  | '792      | '700      | '092   | '892             | 8th   | '605            | 15th  | '287            |
| September | '787  | '834      | '740      | '094   | '910             | 23rd       | '673            | 11th         | '237            | '781  | '838      | '724      | '114   | '899             | 30th  | '667            | 11th  | '232            |
| October   | '828  | '883*     | '773*     | '110   | '976             | 24th       | '695            | 11th & 18th. | '281            | '821  | '889      | '752      | '137   | '991             | 30th  | '619            | 18th  | '372            |
| November  | '883  | '935      | '831      | '104   | 1'048            | 23rd       | '735            | 17th         | '313            | '902  | '960      | '843      | '117   | 1'080            | 23rd  | '781            | 17th  | '299            |
| December  | '962  | 1'020     | '904      | '116   | 1'117            | 27th       | '810            | 1st          | '307            | '958  | 1'019     | '896      | '123   | 1'120            | 11th  | '790            | 6th   | '330            |
| Year      | '840  | '890      | '789      | '101   | 1'144            | ...        | '538            | ...          | '606            | '830  | '889      | '771      | '118   | 1'161            | ...   | '495            | ...   | '666            |

\* Mean of 30 days.

† " " 27 "

‡ Mean of 20 days.

§ " " 26 "

TABLE VII.—MONTHLY MEANS AND EXTREMES OF PRESSURE IN 1886.

## 128. MOULMEIN.

## 129. MERGUL.

| Month.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.          | Lowest reading. | Date. | Absolute range. | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date.        | Lowest reading. | Date. | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|----------------|-----------------|-------|-----------------|-------|-----------|-----------|--------|------------------|--------------|-----------------|-------|-----------------|
|           | 29 +  | 29 +      | 29 +      |        | 29 +             |                | 29 +            |       |                 | 29 +  | 29 +      | 29 +      |        | 29 +             |              | 29 +            |       |                 |
| January   |       |           |           |        |                  | Untrustworthy. |                 |       |                 | '837  | '876      | '797      | '079   | '927             | 10th         | '711            | 26th  | '216            |
| February  |       |           |           |        |                  | Ditto.         |                 |       |                 | '841  | '890      | '792      | '098   | '925             | 22nd         | '735            | 15th  | '190            |
| March     |       |           |           |        |                  | Ditto.         |                 |       |                 | '817  | '865      | '769      | '096   | '905             | 3rd          | '706            | 23rd  | '199            |
| April     |       |           |           |        |                  | Ditto.         |                 |       |                 | '780  | '834      | '726      | '108   | '883             | 1st          | '684            | 23rd  | '199            |
| May       |       |           |           |        |                  | Ditto.         |                 |       |                 | '740  | '788      | '691      | '097   | '832             | 29th         | '641            | 8th   | '191            |
| June      |       |           |           |        |                  | Ditto.         |                 |       |                 | '733  | '780      | '685      | '095   | '823             | 1st          | '629            | 12th  | '194            |
| July      | '665  | '708      | '622      | '086   | '811             | 6th            | '544            | 14th  | '267            | '721  | '767      | '675      | '093   | '799             | 29th         | '629            | 23rd  | '170            |
| August    | '673  | '719      | '626      | '093   | '805             | 7th            | '556            | 15th  | '249            | '761  | '811      | '710      | '101   | '837             | 9th          | '669            | 27th  | '168            |
| September | '705  | '761      | '649      | '112   | '818             | 6th            | '591            | 25th  | '227            | '761  | '809      | '712      | '097   | '856             | 5th          | '664            | 25th  | '192            |
| October   | '743  | '804      | '682      | '122   | '886             | 20th           | '534            | 18th  | '302            | '785  | '836      | '734      | '102   | '859             | 9th & 28th.  | '703            | 12th  | '156            |
| November  | '815  | '874      | '756      | '118   | '965             | 23rd           | '705            | 5th   | '260            | '818  | '871      | '764      | '107   | '902             | 24th         | '721            | 7th   | '181            |
| December  | '876  | '946      | '805      | '141   | '1053            | 27th           | '686            | 3rd   | '367            | '840  | '898      | '781      | '117   | '935             | 24th & 25th. | '737            | 8th   | '198            |
| Year      | ?     | ?         | ?         | ?      | ?                | ...            | ?               | ...   | ?               | '786  | '835      | '736      | '099   | '935             | ...          | '629            | ...   | '306            |

## 130. COCOS ISLAND.

## 131. PORT BLAIR.

| Month.    | Mean. | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date and hour. | Absolute range. | Mean.          | 10 hours. | 16 hours. | Range. | Highest reading. | Date. | Lowest reading. | Date.       | Absolute range. |
|-----------|-------|-----------|-----------|--------|------------------|-------|-----------------|----------------|-----------------|----------------|-----------|-----------|--------|------------------|-------|-----------------|-------------|-----------------|
|           | 29 +  | 29        | 29 +      |        | 29 +             |       | 29 +            |                |                 | 29 +           | 29 +      | 29 +      |        | 29 +             |       | 29 +            |             |                 |
| January   |       |           |           |        |                  |       |                 |                |                 | '896           | '946      | '846      | '100   | '1030            | 5th   | '744            | 27th        | '286            |
| February  |       |           |           |        |                  |       |                 |                |                 | '891           | '947      | '834      | '113   | '1039            | 9th   | '724            | 1st         | '315            |
| March     |       |           |           |        |                  |       |                 |                |                 | '864           | '913      | '815      | '098   | '994             | 10th  | '750            | 28th        | '244            |
| April     |       |           |           |        |                  |       |                 |                |                 | '816           | '868      | '763      | '105   | '929             | 1st   | '693            | 11th        | '236            |
| May       | '681  | '726      | '636      | '090   | '783             | 1st   | '513            | 7th, 16h.      | '270            | '743           | '788      | '697      | '091   | '890             | 17th  | '617            | 7th         | '273            |
| June      | '636  | '673      | '598      | '075   | '759             | 10th  | '419            | 14th "         | '340            | '704           | '742      | '665      | '077   | '827             | 10th  | '519            | 14th        | '308            |
| July      | '649  | '687      | '611      | '076   | '791             | 6th   | '506            | 18th "         | '285            | '719           | '763      | '675      | '088   | '860             | 6th   | '579            | 18th        | '281            |
| August    | '666  | '707      | '624      | '083   | '793             | 8th   | '556            | 15th           | '237            | '721           | '757      | '685      | '072   | '895             | 7th   | '628            | 15th        | '267            |
| September | '699  | '747      | '650      | '097   | '813             | 23rd  | '584            | 27th "         | '229            | '756           | '800      | '712      | '088   | '868             | 23rd  | '656            | 28th        | '212            |
| October   | '736  | '787      | '684*     | '103   | '870             | 28th  | '605            | 16th "         | '265            | '781           | '837      | '724      | '113   | '910             | 28th  | '669            | 16th & 29th | '241            |
| November  | '759  | '807      | '711      | '096   | '935             | 23rd  | '511            | 11th, 10h.     | '424            | Untrustworthy. |           |           |        |                  |       |                 |             |                 |
| December  | '850  | '903      | '796      | '107   | '995             | 27th  | '697            | 6th, 16h.      | '298            | '883           | '939      | '827      | '112   | '1029            | 27th  | '682            | 6th         | '347            |
| Year      | ?     | ?         | ?         | ?      | ?                | ...   | ?               | ...            | ?               | ?              | ?         | ?         | ?      | '1039            | ...   | '519            | ...         | '520            |

\* Mean of 30 days.

## 132. NANCOWRY. •

| MONTH.              | Mean.        | 10 hours.    | 16 hours.    | Range. | Highest.<br>reading. | Date. | Lowest<br>reading. | Date. | Absolute<br>range. |
|---------------------|--------------|--------------|--------------|--------|----------------------|-------|--------------------|-------|--------------------|
| January . . . . .   | 29 +<br>'850 | 29 +<br>'882 | 29 +<br>'817 | '065   | 29 +<br>'956         | 4th   | 29 +<br>'734       | 28th  | '222               |
| February . . . . .  | Imperfect..  |              |              |        |                      |       |                    |       |                    |
| March . . . . .     | Ditto.       |              |              |        |                      |       |                    |       |                    |
| April . . . . .     | '798         | '845         | '750         | '095   | '938                 | 22nd  | '689               | 11th  | '249               |
| May . . . . .       | '771         | '811         | '730         | '081   | '874                 | 29th  | '685               | 20th  | '189               |
| June . . . . .      | '751         | '789         | '713         | '076   | '854                 | 2nd   | '589               | 13th  | '265               |
| July . . . . .      | '737         | '770         | '703         | '067   | '849                 | 7th   | '607               | 19th  | '242               |
| August . . . . .    | '772         | '811         | '733         | '078   | '863                 | 24th  | '672               | 1st   | '191               |
| September . . . . . | '797         | '844*        | '750*        | '094   | '925                 | 6th   | '670               | 3rd   | '255               |
| October . . . . .   | '806         | '856         | '756         | '100   | '961                 | 30th  | '701               | 26th  | '260               |
| November . . . . .  | '818         | '872         | '764         | '108   | '995                 | 23rd  | '630               | 5th   | '365               |
| December . . . . .  | '840         | '898         | '782         | '116   | '961                 | 18th  | '593               | 5th   | '368               |
| Year . . . . .      | ?            | ?            | ?            | ?      | ?                    | ...   | '589               | ...   | ?                  |

\* Mean of 29 days.

TABLE VIII.—MONTHLY MEANS OF PRESSURE IN 1886, REDUCED TO THEIR SEA-LEVEL VALUES. (111 STATIONS).

| STATIONS.                    | January. | February. | March. | April.           | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|------------------------------|----------|-----------|--------|------------------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
|                              | 29 +     | 29 +      | 29 +   | 29 +             | 29 + | 29 +  | 29 +  | 29 +    | 29 +       | 29 +     | 29 +      | 29 +      | 29 +  |
| Aden . . . . .               | 1'023    | 1'018     | '937   | '916             | '777 | '693  | '609  | '670    | '779       | '894     | '992      | 1'041     | '862  |
| Bushire . . . . .            | 1'099    | 1'065     | '965   | '905             | '725 | '566  | '450  | '540    | '727       | '917     | 1'050     | 1'169     | '848  |
| Amini Divi . . . . .         | '956     | '955      | '921   | Not<br>received. | ?    | '823  | '835  | '866    | '895       | '889     | '922      | '962      | ?     |
| Mooltan . . . . .            | 1'097    | 1'085     | '906   | '786             | '616 | '474  | '438  | '501    | '633       | '845     | 1'033     | 1'107     | '793  |
| Dera Ismail Khan . . . . .   | 1'115    | 1'101     | '926   | '806             | '629 | '477  | '451  | '499    | '635       | '857     | 1'046     | 1'124     | '806  |
| Peshawar . . . . .           | 1'137    | 1'127     | '955   | '864             | '689 | '508  | '445  | '528    | '697       | '911     | 1'089     | 1'183     | '844  |
| Rawalpindi . . . . .         | 1'120    | 1'104     | '943   | '836             | '686 | '522  | '488  | '561    | '702       | '913     | 1'083     | 1'166     | '844  |
| Sialkot . . . . .            | 1'077    | 1'046     | '906   | '769             | '634 | '487  | '483  | '535    | '647       | '854     | 1'018     | 1'086     | '795  |
| Lahore . . . . .             | 1'088    | 1'064     | '902   | '771             | '620 | '482  | '476  | '529    | '644       | '856     | 1'026     | 1'099     | '796  |
| Ludhiana . . . . .           | 1'080    | 1'040     | '899   | '765             | '636 | '499  | '500  | '560    | '674       | '874     | 1'033     | 1'093     | '804  |
| Delhi . . . . .              | 1'078    | 1'038     | '892   | '751             | '636 | '509  | '506  | '571    | '688       | '857     | 1'017     | 1'075     | '802  |
| Sirsa . . . . .              | 1'090    | 1'063     | '890   | '764             | '617 | '491  | '476  | '547    | '670       | '854     | 1'031     | 1'103     | '800  |
| Dehra . . . . .              | 1'098    | 1'059     | '941   | '783             | '720 | '566  | '560  | '607    | '722       | '903     | 1'063     | 1'115     | '845  |
| Roorkee . . . . .            | 1'065    | 1'016     | '890   | '732             | '648 | '508  | '505  | '563    | '674       | '859     | 1'025     | 1'074     | '797  |
| Meerut . . . . .             | 1'072    | 1'027     | '885   | '741             | '635 | '508  | '499  | '560    | '672       | '851     | 1'016     | 1'077     | '795  |
| Bareilly . . . . .           | 1'053    | 1'004     | '877   | '729             | '656 | '527  | '521  | '582    | '690       | '858     | 1'016     | 1'073     | '799  |
| Agra . . . . .               | 1'084    | 1'054     | '898   | '766             | '650 | '540  | '532  | '597    | '723       | '865     | 1'035     | 1'099     | '820  |
| Lucknow . . . . .            | 1'078    | 1'018     | '890   | '744             | '672 | '543  | '544  | '594    | '703       | '860     | 1'016     | 1'079     | '812  |
| Gorakhpur . . . . .          | 1'047    | '979      | '868   | '728             | '680 | '535  | '534  | '584    | '700       | '849     | '998      | 1'058     | '797  |
| Jhansi . . . . .             | 1'104    | 1'074     | '908   | '775             | '648 | '556  | '548  | '618    | '736       | '866     | 1'029     | 1'113     | '831  |
| Allahabad . . . . .          | 1'062    | 1'013     | '877   | '743             | '644 | '521  | '527  | '589    | '696       | '845     | 1'006     | 1'066     | '799  |
| Benares . . . . .            | 1'064    | 1'007     | '876   | '736             | '644 | '523  | '534  | '589    | '697       | '844     | 1'009     | 1'077     | '800  |
| Ghazipur . . . . .           | 1'051    | '999      | '886   | '747             | '665 | '537  | '547  | '595    | '698       | '858     | 1'014     | 1'076     | '806  |
| Tezpur . . . . .             | 1'108    | '988      | '878   | '825             | '777 | '619  | '613  | '689    | '780       | '888     | 1'064     | 1'123     | '863  |
| Sibsagar . . . . .           | 1'075    | 1'003     | '925   | '839             | '792 | '632  | '612  | '661    | '753       | '888     | 1'046     | 1'095     | '860  |
| Dhubri . . . . .             | 1'046    | '978      | '879   | '778             | '756 | '607  | '590  | '641    | '741       | '863     | '997      | 1'058     | '828  |
| Silchar . . . . .            | 1'041    | '991      | '913   | '827             | '767 | '635  | '633  | '675    | '765       | '857     | '972      | 1'040     | '843  |
| Purneah . . . . .            | 1'044    | '972      | '867   | '744             | '715 | '572  | '561  | '623    | '723       | '862     | 1'000     | 1'058     | '812  |
| Durbhunga . . . . .          | 1'058    | '983      | '879   | '747             | '703 | '553  | '547  | '604    | '709       | '856     | 1'001     | 1'062     | '809  |
| Patna . . . . .              | 1'074    | 1'002     | '877   | '742             | '691 | '547  | '555  | '604    | '704       | '854     | 1'006     | 1'070     | '811  |
| Hazaribagh . . . . .         | 1'074    | 1'019     | '896   | '767             | '695 | '571  | '575  | '636    | '728       | '883     | 1'025     | 1'089     | '830  |
| Berhampore . . . . .         | 1'037    | '974      | '871   | '750             | '711 | '572  | '563  | '626    | '714       | '854     | '981      | 1'042     | '808  |
| Burdwan . . . . .            | 1'042    | '985      | '881   | '754             | '711 | '567  | '562  | '631    | '712       | '851     | '971      | 1'047     | '810  |
| Jessore . . . . .            | 1'027    | '975      | '879   | '767             | '732 | '586  | '579  | '641    | '719       | '849     | '967      | 1'038     | '813  |
| Dacca . . . . .              | 1'031    | '982      | '898   | '787             | '748 | '608  | '604  | '656    | '740       | '849     | '971      | 1'048     | '827  |
| Chittagong . . . . .         | 1'031    | '965      | '925   | '840             | '777 | '654  | '650  | '701    | '772       | '855     | '959      | 1'033     | '849  |
| Calcutta (Alipore) . . . . . | 1'036    | '988      | '889   | '765             | '721 | '568  | '569  | '634    | '709       | '847     | '972      | 1'042     | '812  |

TABLE VIII.—MONTHLY MEANS OF PRESSURE IN 1886, REDUCED TO THEIR SEA-LEVEL VALUES. 133

| STATIONS.               | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|-------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
|                         | 29 +     | 29 +      | 29 +   | 29 +   | 29 + | 29 +  | 29 +  | 29 +    | 29 +       | 29 +     | 29 +      | 29 +      | 29 +  |
| Saugor Island . . . . . | 1'035    | '985      | '891   | '771   | '725 | '581  | '579  | '643    | '714       | '853     | '973      | 1'047     | '816  |
| Cuttack . . . . .       | 1'049    | 1'003     | '884   | '785   | '707 | '575  | '574  | '624    | '699       | '840     | '983      | 1'049     | '814  |
| False Point . . . . .   | 1'052    | 1'011     | '918   | '803   | '735 | '580  | '583  | '641    | '704       | '848     | '972      | 1'054     | '825  |
| Sambalpur . . . . .     | 1'033    | '975      | '862   | '736   | '654 | '565  | '561  | '614    | '696       | '826     | '974      | 1'055     | '796  |
| Raipur . . . . .        | 1'035    | '986      | '869   | '740   | '632 | '562  | '563  | '606    | '693       | '802     | '966      | 1'050     | '792  |
| Nagpur . . . . .        | 1'038    | '996      | '870   | '755   | '641 | '581  | '590  | '643    | '724       | '818     | '983      | 1'070     | '809  |
| Seoni . . . . .         | 1'072    | 1'028     | '893   | '778   | '661 | '591  | '589  | '651    | '745       | '845     | 1'017     | 1'086     | '830  |
| Jubbulpore . . . . .    | 1'076    | 1'049     | '905   | '777   | '651 | '570  | '573  | '643    | '744       | '855     | 1'032     | 1'103     | '832  |
| Saugor . . . . .        | 1'064    | 1'050     | '894   | '781   | '640 | '564  | '565  | '634    | '745       | '855     | 1'025     | 1'067     | '824  |
| Hoshangabad . . . . .   | 1'067    | 1'047     | '901   | '804   | '662 | '597  | '597  | '660    | '761       | '844     | 1'020     | 1'104     | '839  |
| Khandwa . . . . .       | 1'041    | 1'045     | '929   | '791   | '668 | '618  | '622  | '690    | '789       | '837     | 1'005     | 1'076     | '843  |
| Chanda . . . . .        | 1'050    | 1'007     | '884   | '777   | '670 | '614  | '633  | '683    | '760       | '835     | '994      | 1'075     | '832  |
| Sironcha . . . . .      | 1'044    | '999      | '889   | '788   | '697 | '630  | '653  | '683    | '755       | '831     | '955      | ?         | ?     |
| Buldana . . . . .       | 1'034    | '999      | '888   | '786   | '671 | '635  | '647  | '708    | '784       | '832     | '984      | 1'063     | '836  |
| Akola . . . . .         | 1'038    | '997      | '876   | '772   | '654 | '605  | '618  | '678    | '764       | '818     | '985      | 1'062     | '822  |
| Amraoti . . . . .       | 1'029    | '987      | '871   | '765   | '648 | '598  | '615  | '670    | '751       | '818     | '984      | 1'059     | '816  |
| Neemuch . . . . .       | 1'050    | 1'026     | '892   | '781   | '637 | '584  | '570  | '648    | '776       | '845     | 1'023     | 1'091     | '827  |
| Nowgong . . . . .       | 1'079    | 1'061     | '896   | '770   | '642 | '547  | '550  | '609    | '725       | '859     | 1'030     | 1'095     | '822  |
| Sutna . . . . .         | 1'080    | 1'044     | '889   | '757   | '631 | '520  | '534  | '603    | '719       | '863     | 1'039     | 1'109     | '816  |
| Indore . . . . .        | 1'042    | 1'030     | '889   | '787   | '656 | '607  | '605  | '679    | '785       | '846     | 1'022     | 1'087     | '836  |
| Bickaneer . . . . .     | 1'056    | 1'030     | '858   | '730   | '569 | '485  | '515  | ?       | ?          | ?        | ?         | ?         | ?     |
| Jeypore . . . . .       | 1'081    | 1'070     | '903   | '781   | '641 | '560  | '547  | '618    | '751       | '865     | 1'033     | 1'106     | '830  |
| Sambhar . . . . .       | 1'078    | 1'072     | '899   | '779   | '632 | '563  | '530  | '607    | '743       | '852     | 1'036     | 1'113     | '825  |
| Ajmere . . . . .        | 1'103    | 1'096     | '917   | '793   | '637 | '572  | '537  | '628    | '766       | '868     | 1'061     | 1'133     | '843  |
| Pachpadra . . . . .     | 1'038    | 1'038     | '875   | ?      | ?    | ?     | '556  | '631    | '764       | '850     | 1'035     | 1'111     | ?     |
| Jacobabad . . . . .     | 1'077    | 1'080     | '886   | ?      | '578 | '438  | '410  | '490    | '647       | '819     | 1'009     | 1'095     | ?     |
| Hyderabad . . . . .     | 1'073    | 1'085     | '904   | '781   | '630 | '477  | '423  | '534    | '676       | '812     | 1'009     | 1'099     | '792  |
| Kurrachee . . . . .     | 1'042    | 1'061     | '912   | '816   | '659 | '563  | '513  | '619    | '766       | '833     | 1'003     | 1'076     | '822  |
| Bhuj . . . . .          | 1'021    | 1'040     | '904   | '814   | '696 | ?     | ?     | ?       | '796       | '826     | '993      | 1'069     | ?     |
| Rajkot . . . . .        | 1'039    | ?         | ?      | ?      | '689 | '614  | ?     | ?       | '809       | '827     | '979      | 1'047     | ?     |
| Deesa . . . . .         | 1'022    | 1'019     | '889   | '798   | '659 | '591  | '561  | '647    | '784       | '811     | '985      | 1'047     | '818  |
| Surat . . . . .         | 1'019    | 1'005     | '926   | '851   | '736 | '657  | '637  | '718    | '823       | '833     | '968      | 1'019     | '849  |
| Malegaon . . . . .      | 1'025    | '998      | '894   | '808   | '693 | '639  | '643  | '726    | '814       | '852     | 1'005     | 1'071     | '847  |
| Bombay . . . . .        | '995     | '976      | '915   | '856   | '771 | '703  | '703  | '768    | '840       | '838     | '944      | '997      | '859  |
| Poona . . . . .         | 1'007    | '974      | '892   | '817   | '737 | '696  | '704  | '755    | '836       | '841     | '965      | 1'036     | '855  |
| Sholapur . . . . .      | 1'004    | '968      | '860   | '763   | '687 | '672  | '695  | '744    | '798       | '834     | '952      | 1'018     | '833  |
| Ratnagiri . . . . .     | '976     | '954      | ?      | '858   | '778 | '735  | '749  | '801    | '844       | '844     | '939      | '975      | ?     |
| Belgaum . . . . .       | '958     | '926      | '861   | '798   | '734 | '733  | '745  | '783    | '831       | '838     | '919      | 1'009     | '845  |
| Karwar . . . . .        | '962     | '943      | '909   | '859   | '777 | '772  | '789  | '821    | '854       | '860     | '914      | '961      | '868  |

134 TABLE VIII.—MONTHLY MEANS OF PRESSURE IN 1886, REDUCED TO THEIR SEA-LEVEL VALUES.

| STATIONS.                | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|--------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
|                          | 29 +     | 29 +      | 29 +   | 29 +   | 29 + | 29 +  | 29 +  | 29 +    | 29 +       | 29 +     | 29 +      | 29 +      | 29 +  |
| Gopalpur . . . . .       | 1'055    | 1'022     | '918   | '810   | '738 | '593  | '599  | '640    | '715       | '838     | '962      | 1'047     | '828  |
| Vizagapatam . . . . .    | 1'031    | '990      | '913   | '823   | '735 | '610  | '615  | '655    | '720       | '817     | '934      | 1'027     | '823  |
| Rajahmundry . . . . .    | 1'014    | '984      | '911   | '834   | '722 | '631  | '650  | '666    | '725       | '810     | '921      | 1'016     | '824  |
| Masulipatam . . . . .    | 1'000    | '972      | '896   | '818   | '707 | '638  | '651  | '674    | '727       | '796     | '910      | 1'005     | '816  |
| Secunderabad . . . . .   | 1'012    | '976      | '872   | '784   | '707 | '670  | '683  | '718    | '767       | '822     | '953      | 1'032     | '833  |
| Kurnool . . . . .        | 1'013    | '980      | '873   | '777   | '704 | '688  | '704  | '740    | '777       | '828     | '930      | 1'020     | '836  |
| Bellary . . . . .        | '972     | '946      | '844   | '764   | '698 | '705  | '720  | '757    | '798       | '856     | '949      | 1'027     | '836  |
| Mangalore . . . . .      | '955     | '946      | '916   | '868   | '798 | '803  | '818  | '850    | '873       | '887     | '917      | '962      | '883  |
| Mercara . . . . .        | '975     | '975      | '929   | '882   | '832 | '852  | '856  | '878    | '896       | '906     | '950      | 1'006     | '911  |
| Bangalore . . . . .      | 1'003    | '979      | '930   | '862   | '799 | '806  | '815  | '834    | '867       | '890     | '965      | 1'042     | '899  |
| Cuddapah . . . . .       | 1'040    | 1'008     | '912   | '824   | '758 | '739  | '751  | '781    | '819       | '872     | '961      | 1'049     | '876  |
| Madras . . . . .         | 1'016    | 1'002     | '931   | '860   | '752 | '722  | '741  | '756    | '794       | '836     | '917      | 1'000     | '861  |
| Salem . . . . .          | 1'024    | 1'018     | '950   | '876   | '810 | '808  | '804  | '827    | '859       | '863     | '935      | 1'007     | '898  |
| Calicut . . . . .        | '941     | '933      | '904   | '861   | '805 | '826  | '842  | '865    | '886       | '885     | '912      | '952      | '884  |
| Coimbatore . . . . .     | '981     | '968      | '907   | '843   | '791 | '790  | '801  | '823    | '847       | '862     | '922      | '981      | '876  |
| Trichinopoly . . . . .   | 1'008    | 1'001     | '937   | '865   | '786 | '784  | '795  | '803    | '833       | '859     | '936      | '997      | '884  |
| Negapatam . . . . .      | '981     | '979      | '921   | '861   | '756 | '750  | '765  | '779    | '813       | '836     | '910      | '970      | '860  |
| Madura . . . . .         | '981     | '974      | '911   | '849   | '762 | '759  | '767  | '784    | '815       | '834     | '907      | '965      | '859  |
| Cochin . . . . .         | '925     | '920      | '895   | '863   | '811 | '841  | '861  | '879    | '895       | '890     | '905      | '938      | '885  |
| Colombo . . . . .        | '921     | '918      | '900   | '871   | '820 | '841  | '845  | '864    | '887       | '890     | '901      | '928      | '882  |
| Jaffna . . . . .         | '965     | '966      | '914   | '855   | '764 | '765  | '773  | '791    | '822       | '842     | '895      | '953      | '859  |
| Trincomalee . . . . .    | '949     | '949      | '895   | '849   | '757 | '759  | '763  | '778    | '804       | '824     | '885      | '944      | '846  |
| Batticaloa . . . . .     | '953     | '962      | '953   | '868   | '784 | '783  | '786  | '798    | '828       | '843     | '889      | '931      | '865  |
| Hambantota . . . . .     | '898     | '899      | '880   | '842   | '776 | '796  | '793  | '807    | '830       | '843     | '866      | '889      | '843  |
| Galle . . . . .          | '914     | '910      | '895   | '856   | '807 | '832  | '834  | '861    | '886       | '890     | '898      | '924      | '876  |
| Kandy . . . . .          | '945     | '940      | '913   | '878   | '835 | '848  | ?     | '883    | ?          | '884     | '912      | '948      | ?     |
| Akyab . . . . .          | 1'014    | '979      | '930   | '868   | '796 | '690  | '701  | '742    | '797       | '865     | '954      | 1'027     | '864  |
| Thayetmyo . . . . .      | '990     | '931      | '862   | '791   | '745 | '703  | '709  | '737    | '785       | '848     | '964      | 1'016     | '840  |
| Bassein . . . . .        | '979     | '957      | '908   | '850   | '785 | '735  | '748  | '768    | '804       | '864     | '925      | '992      | '860  |
| Diamond Island . . . . . | '985     | '971      | '936   | '884   | '791 | '782  | '802  | '793    | '828       | '869     | '924      | 1'004     | '881  |
| Rangoon . . . . .        | '990     | '970      | '906   | '845   | '805 | '760  | '771  | '788    | '823       | '863     | '944      | 1'001     | '872  |
| Moulmein . . . . .       | ?        | ?         | ?      | ?      | ?    | ?     | '762  | '770    | '802       | '839     | '914      | '975      | ?     |
| Mergui . . . . .         | '937     | '941      | '916   | '878   | '839 | '832  | '820  | '860    | '861       | '885     | '918      | '941      | '886  |
| Port Blair . . . . .     | '959     | '954      | '927   | '879   | '806 | '767  | '782  | '784    | '819       | '844     | ?         | '946      | ?     |
| Nancowry . . . . .       | '934     | ?         | ?      | '880   | '854 | '834  | '820  | '855    | '880       | '890     | '902      | '924      | ?     |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886. (132 STATIONS).

## 1.—ADEN (2 observations daily).

|                                             | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |    |           |  |  |  |  |  |
|---------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|----|-----------|--|--|--|--|--|
|                                             | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |    |           |  |  |  |  |  |
| North . . .                                 | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |     |    |           |  |  |  |  |  |
| North-East . . .                            | 17          | 4         | 21     | 11        | 6         | 17     | 5         | 6         | 11     | 4         | 6         | 10     | 5         | 4         | 9      | 1         | ...       | 1      | 1         | ...       | 1      | 1         | ...       | 1      | ...        | ...       | 6      | 1         | 7         | 2      | 5         | 7         | 3      | 1         | 4   |    |           |  |  |  |  |  |
| East . . .                                  | 12          | 3         | 15     | 14        | 8         | 22     | 19        | 10        | 29     | 24        | 9         | 33     | 7         | 4         | 11     | ...       | ...       | ...    | 3         | 3         | 6      | 2         | 1         | 3      | 7          | 3         | 10     | 16        | 13        | 29     | 27        | 16        | 43     | 23        | 7   | 30 |           |  |  |  |  |  |
| South-East . . .                            | 1           | 17        | 18     | 1         | 9         | 10     | 1         | 6         | 7      | ...       | 3         | 3      | ...       | 2         | 2      | ...       | 4         | 4      | 6         | 3         | 9      | 3         | 8         | 11     | 3          | 8         | 11     | 1         | 7         | 8      | 1         | 3         | 4      | 2         | 12  | 14 |           |  |  |  |  |  |
| South . . .                                 | ...         | 1         | 1      | ...       | ...       | ...    | ...       | 3         | 3      | ...       | 3         | 3      | 3         | 7         | 10     | 9         | 8         | 17     | 7         | 12        | 19     | 14        | 16        | 30     | 5          | 11        | 16     | 2         | 4         | 6      | ...       | ...       | ...    | 1         | ... | 1  |           |  |  |  |  |  |
| South-West . . .                            | ...         | 1         | 1      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | 1         | 1      | 4         | 2         | 6      | 4         | 4         | 8      | 10        | 5         | 15     | 4         | 6         | 10     | 6          | 2         | 8      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |           |  |  |  |  |  |
| West . . .                                  | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | 1         | 1      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | 2          | ...       | 2      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ... |    |           |  |  |  |  |  |
| North-West . . .                            | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |           |  |  |  |  |  |
| Calm . . .                                  | 1           | 5         | 6      | ...       | 2         | 2      | 3         | 3         | 6      | ...       | 5         | 5      | 5         | 3         | 8      | 5         | 4         | 9      | 2         | 5         | 7      | 7         | ...       | 7      | 7          | 6         | 13     | 5         | 6         | 11     | ...       | 6         | 6      | 2         | 11  | 13 |           |  |  |  |  |  |
| Variable . . .                              | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |           |  |  |  |  |  |
| Resultant {                                 | Percentage  |           |        | 68        |           |        | 78        |           |        | 75        |           |        | 75        |           |        | 35        |           |        | 62        |           |        | 62        |           |        | 72         |           |        | 52        |           |        | 63        |           |        | 85        |     |    | 70        |  |  |  |  |  |
|                                             | Direction . |           |        | N. 89° E. |           |        | N. 84° E. |           |        | E.        |           |        | N. 88° E. |           |        | S. 56° E. |           |        | S. 7° W.  |           |        | S. 4° E.  |           |        | S. 6° E.   |           |        | S. 19° E. |           |        | S. 80° E. |           |        | N. 88° E. |     |    | S. 79° E. |  |  |  |  |  |
| Mean diurnal velocity of wind in miles .    |             |           |        | 319.1     |           |        | 387.3     |           |        | 341.7     |           |        | 341.8     |           |        | 213.0     |           |        | ?         |           |        | 158.3     |           |        | 181.0      |           |        | 187.2     |           |        | 299.2     |           |        | 352.8     |     |    | 338.4     |  |  |  |  |  |
| Average Resultant {                         | Percentage  |           |        | 72        |           |        | 71        |           |        | 74        |           |        | 59        |           |        | 43        |           |        | 65        |           |        | 73        |           |        | 70         |           |        | 54        |           |        | 54        |           |        | 64        |     |    | 69        |  |  |  |  |  |
|                                             | Direction . |           |        | N. 81° E. |           |        | N. 77° E. |           |        | N. 76° E. |           |        | N. 80° E. |           |        | S. 77° E. |           |        | S. 8° E.  |           |        | S. 11° E. |           |        | S. 12° E.  |           |        | S. 27° E. |           |        | N. 86° E. |           |        | N. 88° E. |     |    | N. 83° E. |  |  |  |  |  |
| Average diurnal velocity of wind in miles . |             |           |        | 304.8     |           |        | 335.1     |           |        | 390.8     |           |        | 356.1     |           |        | 271.1     |           |        | 188.6     |           |        | 229.9     |           |        | 267.9      |           |        | 203.8     |           |        | 292.7     |           |        | 277.4     |     |    | 297.7     |  |  |  |  |  |
| 4-6 Years.                                  |             |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |           |  |  |  |  |  |
| 4-7 Years.                                  |             |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |           |  |  |  |  |  |

## 2.—BUSHIRE (2 observations daily).

|                                                        | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |    |       |  |  |
|--------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|----|-------|--|--|
|                                                        | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |    |       |  |  |
| North . . .                                            | 4           | 1         | 5      | 6         | 1         | 7      | 3         | 1         | 4      | 4         | 1         | 5      | 1         | 1         | 2      | 1         | ...       | 1      | ...       | ...       | ...    | 1         | ...       | 1      | 5          | 1         | 6      | 6         | ...       | 6      | 4         | 1         | 5      | 11        | 1   | 12 |       |  |  |
| North-East . . .                                       | 10          | 1         | 11     | 2         | 1         | 3      | 6         | 4         | 10     | ...       | 1         | 1      | 1         | ...       | 1      | 1         | ...       | 1      | 1         | ...       | 1      | ...       | ...       | 1      | ...        | 1         | 10     | 1         | 11        | 8      | ...       | 8         | 9      | 2         | 11  |    |       |  |  |
| East . . .                                             | ...         | ...       | ...    | 1         | ...       | 1      | 2         | 1         | 3      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 1         | 1         | 2      | 1          | ...       | 1      | ...       | ...       | ...    | 7         | ...       | 7      | 3         | ... | 3  |       |  |  |
| South-East . . .                                       | 6           | 3         | 9      | 6         | 6         | 12     | 5         | ...       | 5      | 3         | ...       | 3      | ...       | 1         | 1      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | 3      | 2          | 5         | 1      | ...       | 1         | 1      | ...       | 1         | 2      | 1         | 3   |    |       |  |  |
| South . . .                                            | ...         | 2         | 2      | 3         | 3         | 6      | 2         | 7         | 9      | 3         | 4         | 7      | ...       | ...       | ...    | ...       | 1         | 1      | 4         | ...       | 4      | 6         | ...       | 6      | 1          | 1         | 2      | 1         | 1         | 2      | 1         | 3         | 4      | 1         | 1   | 2  |       |  |  |
| South-West . . .                                       | ...         | 1         | 1      | 1         | 4         | 5      | 3         | ...       | 3      | 1         | 2         | 3      | 1         | 3         | 4      | 6         | 8         | 14     | 3         | 5         | 8      | 6         | 10        | 16     | 7          | 2         | 9      | 2         | 2         | 4      | ...       | ...       | ...    | ...       | ... |    |       |  |  |
| West . . .                                             | ...         | ...       | ...    | ...       | 2         | 2      | 2         | 2         | 4      | 3         | 4         | 7      | 11        | 5         | 16     | 2         | 7         | 9      | 4         | 7         | 11     | 10        | 12        | 22     | 4          | 10        | 14     | 1         | 6         | 7      | ...       | 5         | 5      | ...       | 2   | 2  |       |  |  |
| North-West . . .                                       | 11          | 23        | 34     | 9         | 11        | 20     | 8         | 16        | 24     | 16        | 18        | 34     | 17        | 21        | 38     | 19        | 14        | 33     | 19        | 19        | 38     | 6         | 7         | 13     | 8          | 14        | 22     | 10        | 21        | 31     | 9         | 21        | 30     | 5         | 24  | 29 |       |  |  |
| Calm . . .                                             | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |       |  |  |
| Variable . . .                                         | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |       |  |  |
| Resultant {                                            | Percentage  |           |        | 17        |           |        | 26        |           |        | 59        |           |        | 83        |           |        | 72        |           |        | 75        |           |        | 69        |           |        | 54         |           |        | 61        |           |        | 50        |           |        | 60        |     |    |       |  |  |
|                                                        | Direction . |           |        | N. 57° W. |           |        | N. 35° W. |           |        | N. 59° W. |           |        | N. 60° W. |           |        | N. 72° W. |           |        | N. 67° W. |           |        | S. 80° W. |           |        | N. 71° W.  |           |        | N. 38° W. |           |        | N. 25° W. |           |        | N. 15° W. |     |    |       |  |  |
| Mean diurnal velocity of wind in miles .               |             |           |        | 193.4     |           |        | 282.0     |           |        | 309.4     |           |        | 278.6     |           |        | 255.0     |           |        | 234.1     |           |        | 240.9     |           |        | 199.7      |           |        | 201.7     |           |        | 153.0     |           |        | 164.2     |     |    | 149.3 |  |  |
| Average Resultant {                                    | Percentage  |           |        | 32        |           |        | 38        |           |        | 40        |           |        | 65        |           |        | 70        |           |        | 62        |           |        | 60        |           |        | 53         |           |        | 46        |           |        | 37        |           |        | 39        |     |    |       |  |  |
|                                                        | Direction . |           |        | N. 18° W. |           |        | N. 47° W. |           |        | N. 63° W. |           |        | N. 56° W. |           |        | N. 57° W. |           |        | N. 72° W. |           |        | N. 71° W. |           |        | N. 51° W.  |           |        | N. 35° W. |           |        | N. 9° W.  |           |        | N. 5° E.  |     |    |       |  |  |
| Average diurnal velocity of wind in miles. 9-11 Years. |             |           |        | 186.8     |           |        | 208.2     |           |        | 213.7     |           |        | 216.4     |           |        | 218.4     |           |        | 263.9     |           |        | 220.1     |           |        | 190.0      |           |        | 187.4     |           |        | 160.7     |           |        | 149.8     |     |    | 160.0 |  |  |





TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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5.—LEH (4 observations daily).

|                                             | JANUARY.  |           |           |           |        | FEBRUARY. |           |           |           |        | MARCH.    |           |           |           |        | APRIL.    |           |           |           |        | MAY.      |           |           |           |        | JUNE.     |           |           |           |        |
|---------------------------------------------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|
|                                             | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                             | 1         | ...       | ...       | 2         | 3      | ...       | ...       | 1         | 2         | 3      | ...       | ...       | 1         | 1         | 2      | 3         | 2         | 1         | 3         | 9      | ...       | 2         | 2         | 1         | 5      | 1         | ...       | ...       | 3         | 4      |
| North-East . . . . .                        | 14        | 2         | 2         | 7         | 25     | 9         | 1         | 3         | 12        | 25     | 14        | 2         | 9         | 16        | 41     | 14        | 4         | 10        | 13        | 41     | 11        | 2         | 5         | 13        | 31     | 8         | ...       | 6         | 8         | 22     |
| East . . . . .                              | 5         | 7         | 1         | 4         | 17     | 6         | 4         | 3         | 2         | 15     | 2         | 4         | 1         | 2         | 9      | ...       | 1         | 4         | ...       | 5      | 6         | 2         | 1         | 3         | 12     | 6         | 3         | 3         | 2         | 14     |
| South-East . . . . .                        | ...       | 1         | 1         | 4         | 6      | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | 1         | ...       | 1         | ...       | 2      | 1         | 3         | ...       | ...       | 4      |
| South . . . . .                             | 2         | 5         | 7         | 2         | 16     | 2         | 7         | 1         | 1         | 11     | 4         | 9         | 6         | 2         | 21     | 4         | 3         | ...       | ...       | 7      | 3         | 11        | 2         | 1         | 17     | 1         | 6         | 1         | 3         | 11     |
| South-West . . . . .                        | 4         | 2         | 14        | 6         | 26     | 4         | 7         | 14        | 5         | 30     | 2         | 9         | 7         | 5         | 23     | 1         | 8         | 4         | 3         | 16     | 4         | 6         | 8         | 3         | 21     | 5         | 3         | 5         | 3         | 16     |
| West . . . . .                              | 1         | 1         | ...       | 1         | 3      | 1         | 2         | ...       | 3         | 6      | 3         | 3         | 3         | 3         | 12     | 2         | 4         | 5         | 10        | 21     | 2         | 5         | 4         | 6         | 17     | 2         | 3         | 4         | 6         | 15     |
| North-West . . . . .                        | ...       | ...       | ...       | 1         | 1      | ...       | ...       | 3         | ...       | 3      | 1         | ...       | 1         | 1         | 3      | 3         | 1         | 3         | 1         | 8      | ...       | 2         | 7         | 3         | 12     | 2         | 5         | 7         | 3         | 17     |
| Calm . . . . .                              | 4         | 13        | 6         | 4         | 27     | 6         | 7         | 3         | 3         | 19     | 5         | 4         | 3         | 1         | 13     | 3         | 7         | 3         | ...       | 13     | 4         | 1         | 1         | 1         | 7      | 4         | 7         | 4         | 2         | 17     |
| Variable . . . . .                          | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    |
| Resultant { Percentage .                    | 19        |           |           |           |        | 9         |           |           |           |        | 7         |           |           |           |        | 21        |           |           |           |        | 4         |           |           |           |        | 7         |           |           |           |        |
| Direction .                                 | S. 44° E. |           |           |           |        | S. 20° E. |           |           |           |        | S. 61° E. |           |           |           |        | N. 9° W.  |           |           |           |        | N. 67° W. |           |           |           |        | N. 43° W. |           |           |           |        |
| Mean diurnal velocity of wind in miles .    | 41'4      |           |           |           |        | 65'5      |           |           |           |        | 73'6      |           |           |           |        | 86'0      |           |           |           |        | 106'0     |           |           |           |        | 78'3      |           |           |           |        |
| Average Resultant { Percentage .            | 32        |           |           |           |        | 26        |           |           |           |        | 31        |           |           |           |        | 41        |           |           |           |        | 40        |           |           |           |        | 38        |           |           |           |        |
| Direction .                                 | S. 21° W. |           |           |           |        | S. 15° W. |           |           |           |        | S. 47° W. |           |           |           |        | S. 48° W. |           |           |           |        | S. 69° W. |           |           |           |        | S. 78° W. |           |           |           |        |
| Average diurnal velocity of wind in miles . | 23'8      |           |           |           |        | 33'9      |           |           |           |        | 50'2      |           |           |           |        | 74'2      |           |           |           |        | 73'9      |           |           |           |        | 56'1      |           |           |           |        |

|                                             | JULY.     |           |           |           |        | AUGUST.   |           |           |           |        | SEPTEMBER. |           |           |           |        | OCTOBER.  |           |           |           |        | NOVEMBER. |           |           |           |        | DECEMBER. |           |           |           |        |
|---------------------------------------------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|------------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|
|                                             | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.   | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                             | 3         | 2         | 1         | 2         | 8      | ...       | 1         | ...       | 1         | 2      | ...        | ...       | ...       | ...       | ...    | 1         | ...       | 1         | 2         | 4      | 3         | ...       | ...       | 2         | 5      | 3         | ...       | ...       | 2         | 5      |
| North-East . . . . .                        | 3         | ...       | 1         | 6         | 10     | 2         | ...       | ...       | ...       | 2      | ...        | ...       | ...       | ...       | ...    | 18        | 1         | ...       | 19        | 38     | 18        | 2         | 2         | 10        | 32     | 18        | 2         | 2         | 10        | 32     |
| East . . . . .                              | 3         | 2         | 2         | ...       | 7      | 2         | 1         | 3         | 3         | 9      | ...        | ...       | ...       | ...       | ...    | 1         | ...       | ...       | ...       | 1      | 9         | 3         | ...       | 5         | 17     | 5         | 2         | ...       | 7         | 14     |
| South-East . . . . .                        | ...       | ...       | ...       | ...       | ...    | ...       | 1         | ...       | ...       | 1      | ...        | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | 1         | ...       | 1         | 2      | ...       | 2         | 2         | 2         | 6      |
| South . . . . .                             | ...       | 1         | 3         | ...       | 4      | ...       | ...       | 1         | ...       | 1      | ...        | ...       | ...       | ...       | ...    | ...       | 1         | ...       | ...       | 1      | ...       | 13        | 4         | ...       | 17     | 2         | 9         | 1         | 2         | 14     |
| South-West . . . . .                        | 4         | 4         | 7         | 8         | 23     | 2         | 2         | 4         | 7         | 15     | 2          | 1         | ...       | 1         | 4      | 1         | ...       | 1         | ...       | 2      | ...       | 8         | 10        | ...       | 18     | 1         | 4         | 20        | 5         | 30     |
| West . . . . .                              | 11        | 6         | 10        | 6         | 33     | 21        | 11        | 17        | 17        | 66     | 28         | 22        | 25        | 29        | 104    | 27        | 22        | 26        | 30        | 105    | ...       | ...       | 7         | 1         | 8      | 1         | 1         | 4         | 2         | 8      |
| North-West . . . . .                        | 3         | ...       | ...       | 3         | 6      | 2         | 1         | 1         | 1         | 5      | ...        | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | 1         | ...       | 1      | ...       | ...       | ...       | ...       | ...    |
| Calm . . . . .                              | 4         | 16        | 7         | 5         | 32     | 2         | 14        | 5         | 2         | 23     | ...        | 7         | 5         | ...       | 12     | 2         | 8         | 4         | 1         | 15     | ...       | 2         | 5         | ...       | 7      | 1         | 11        | 2         | 1         | 15     |
| Variable . . . . .                          | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...        | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    |
| Resultant { Percentage .                    | 32        |           |           |           |        | 56        |           |           |           |        | 89         |           |           |           |        | 85        |           |           |           |        | 21        |           |           |           |        | 31        |           |           |           |        |
| Direction .                                 | S. 89° W. |           |           |           |        | S. 86° W. |           |           |           |        | S. 88° W.  |           |           |           |        | S. 89° W. |           |           |           |        | N. 89° E. |           |           |           |        | S. 45° E. |           |           |           |        |
| Mean diurnal velocity of wind in miles .    | 59'2      |           |           |           |        | 67'6      |           |           |           |        | 79'2       |           |           |           |        | 72'9      |           |           |           |        | 78'2      |           |           |           |        | 57'4      |           |           |           |        |
| Average Resultant { Percentage .            | 38        |           |           |           |        | 32        |           |           |           |        | 36         |           |           |           |        | 40        |           |           |           |        | 42        |           |           |           |        | 55        |           |           |           |        |
| Direction .                                 | S. 67° W. |           |           |           |        | S. 68° W. |           |           |           |        | S. 51° W.  |           |           |           |        | S. 52° W. |           |           |           |        | S. 31° W. |           |           |           |        | S. 15° W. |           |           |           |        |
| Average diurnal velocity of wind in miles . | 42'9      |           |           |           |        | 37'9      |           |           |           |        | 38'2       |           |           |           |        | 45'9      |           |           |           |        | 49'3      |           |           |           |        | 32'9      |           |           |           |        |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 6.—MOOLTAN (2 observations daily).

|                                                         | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |      |    |           |  |  |
|---------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|------|----|-----------|--|--|
|                                                         | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |      |    |           |  |  |
| North . . .                                             | ...         | 1         | 1      | ...       | ...       | ...    | 1         | 2         | 3      | ..        | 1         | 1      | 1         | 2         | 3      | ...       | 1         | 1      | 1         | ...       | 1      | ...       | ...       | ...    | ...        | ...       | 1      | 1         | ...       | ...    | ...       | 3         | 1      | 4         |      |    |           |  |  |
| North-East . . .                                        | 11          | 4         | 15     | 7         | 4         | 11     | 8         | 7         | 15     | 13        | 7         | 20     | 5         | 2         | 7      | 3         | 1         | 4      | 5         | 4         | 9      | 2         | 2         | 4      | ...        | ...       | ...    | 2         | 2         | 4      | ...       | 1         | 1      | 1         | 1    | 2  |           |  |  |
| East . . .                                              | ...         | ...       | ...    | 2         | ...       | 2      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       |      |    |           |  |  |
| South-East . . .                                        | 2           | ...       | 2      | 1         | 1         | 2      | 2         | ...       | 2      | 2         | ...       | 2      | 1         | 1         | 2      | 4         | 2         | 6      | 1         | 1         | 2      | 4         | 4         | 8      | ...        | ...       | ...    | 2         | 1         | 3      | ...       | ...       | ...    | ...       | ...  |    |           |  |  |
| South . . .                                             | 1           | 1         | 2      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 1         | ...       | 1      | 1         | 1         | 2      | 3         | ...       | 3      | 7         | 1         | 8      | 5          | ...       | 5      | 2         | ...       | 2      | 2         | ...       | 2      | ...       | 1    |    |           |  |  |
| South-West . . .                                        | 6           | 5         | 11     | 5         | 2         | 7      | 5         | 6         | 11     | 7         | 6         | 13     | 8         | 5         | 13     | 14        | 8         | 22     | 11        | 14        | 25     | 15        | 16        | 31     | 11         | 10        | 21     | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...  |    |           |  |  |
| West . . .                                              | 2           | 1         | 3      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...  |    |           |  |  |
| North-West . . .                                        | 4           | 6         | 10     | 10        | 8         | 18     | 11        | 5         | 16     | 5         | 8         | 13     | 8         | 6         | 14     | 1         | 1         | 2      | ...       | ...       | ...    | ...       | ...       | ...    | 1          | ...       | 1      | ...       | ...       | ...    | 1         | 1         | 2      | 1         | 1    | 2  |           |  |  |
| Calm . . .                                              | 5           | 13        | 18     | 3         | 13        | 16     | 3         | 11        | 14     | 3         | 8         | 11     | 7         | 15        | 22     | 7         | 16        | 23     | 10        | 12        | 22     | 3         | 8         | 11     | 13         | 20        | 33     | 25        | 27        | 52     | 27        | 28        | 55     | 25        | 28   | 53 |           |  |  |
| Variable . . .                                          | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...  |    |           |  |  |
| Resultant {                                             | Percentage  |           |        | 15        |           |        | 28        |           |        | 27        |           |        | 23        |           |        | 23        |           |        | 32        |           |        | 29        |           |        | 57         |           |        | 41        |           |        | 8         |           |        | 1         |      |    | 9         |  |  |
|                                                         | Direction . |           |        | N. 38° W. |           |        | N. 25° W. |           |        | N. 21° W. |           |        | N. 12° W. |           |        | N. 64° W. |           |        | S. 31° W. |           |        | S. 34° W. |           |        | S. 22° W.  |           |        | S. 39° W. |           |        | S. 87° E. |           |        | N. 80° W. |      |    | N.        |  |  |
| Mean diurnal velocity of wind in miles .                |             | 48.6      |        |           | 50.7      |        |           | 44.5      |        |           | 59.7      |        |           | 81.3      |        |           | 95.0      |        |           | 92.1      |        |           | 109.1     |        |            | 76.3      |        |           | 28.1      |        |           | 13.7      |        |           | 23.5 |    |           |  |  |
| Average {                                               | Percentage  |           |        | 24        |           |        | 18        |           |        | 21        |           |        | 13        |           |        | 17        |           |        | 35        |           |        | 33        |           |        | 22         |           |        | 33        |           |        | 21        |           |        | 8         |      |    | 11        |  |  |
|                                                         | Direction . |           |        | N. 9° W.  |           |        | N. 5° E.  |           |        | N. 11° W. |           |        | N. 26° W. |           |        | N. 70° W. |           |        | S. 35° W. |           |        | S. 25° W. |           |        | S. 19° W.  |           |        | S. 32° W. |           |        | S. 70° W. |           |        | S. 73° W. |      |    | N. 14° E. |  |  |
| Average diurnal velocity of wind in miles . 9-11 Years. |             | 40.1      |        |           | 57.3      |        |           | 48.7      |        |           | 60.0      |        |           | 71.3      |        |           | 91.8      |        |           | 82.5      |        |           | 78.2      |        |            | 65.5      |        |           | 46.4      |        |           | 35.0      |        |           | 31.8 |    |           |  |  |

## 7.—DERA ISMAIL KHAN (2 observations daily).

|                                                             | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |      |     |           |  |  |
|-------------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|------|-----|-----------|--|--|
|                                                             | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |      |     |           |  |  |
| North . . .                                                 | 2           | 1         | 3      | 3         | ...       | 3      | ...       | 1         | 1      | 3         | 2         | 5      | 2         | 3         | 5      | 1         | ...       | 1      | 1         | ...       | 1      | 1         | 1         | 2      | ...        | 1         | 1      | 1         | ...       | 1      | ...       | 1         | ...    | ...       |      |     |           |  |  |
| North-East . . .                                            | 3           | 9         | 12     | 3         | 8         | 11     | 6         | 7         | 13     | 9         | 8         | 17     | 9         | 19        | 28     | 8         | 10        | 18     | 7         | 11        | 18     | 8         | 8         | 16     | 13         | 10        | 23     | 6         | 6         | 12     | 3         | 5         | 8      | 1         | 6    | 7   |           |  |  |
| East . . .                                                  | ...         | ...       | ...    | 1         | ...       | 1      | 4         | 1         | 5      | 3         | ...       | 3      | 5         | 3         | 8      | 9         | 2         | 11     | 12        | 5         | 17     | 10        | 1         | 11     | 6          | 5         | 11     | 6         | 1         | 7      | 3         | ...       | 3      | 3         | 1    | 4   |           |  |  |
| South-East . . .                                            | ...         | ...       | ...    | 1         | 4         | 5      | 1         | 5         | 6      | 1         | 7         | 8      | 4         | 3         | 7      | 1         | 8         | 9      | 4         | 8         | 12     | 7         | 11        | 18     | 5          | 9         | 14     | 3         | 14        | 17     | 3         | 8         | 11     | 2         | 4    | 6   |           |  |  |
| South . . .                                                 | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 2         | 2         | ...    | 1         | 1         | 2      | 1         | 3         | 2      | 1         | 3         | 2      | 2         | 4         | ...    | 1          | 1         | 3      | 1         | 4         | 2      | ...       | 2         | ...    | ...       | ...  |     |           |  |  |
| South-West . . .                                            | 1           | 1         | 2      | 2         | 1         | 3      | 2         | 3         | 5      | ...       | 2         | 2      | 2         | ...       | 2      | 1         | ...       | 1      | 1         | ...       | 1      | ...       | ...       | ...    | 1          | ...       | 1      | ...       | ...       | ...    | 2         | ...       | 2      | 4         | 1    | 5   |           |  |  |
| West . . .                                                  | 4           | ...       | 4      | 6         | ...       | 6      | 5         | ...       | 5      | 5         | ...       | 5      | 3         | ...       | 3      | ...       | ...       | ...    | 1         | ...       | 1      | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | 1      | ...       | 1         | 5      | ...       | 5    |     |           |  |  |
| North-West . . .                                            | 12          | 10        | 22     | 8         | 12        | 20     | 7         | 10        | 17     | 5         | 3         | 8      | 4         | ...       | 4      | ...       | ...       | ...    | 2         | 1         | 3      | ...       | ...       | ...    | ...        | ...       | ...    | 1         | ...       | 1      | 4         | 2         | 6      | 10        | 10   | 20  |           |  |  |
| Calm . . .                                                  | 9           | 10        | 19     | 4         | 3         | 7      | 6         | 4         | 10     | 4         | 6         | 10     | 2         | 2         | 4      | 8         | 9         | 17     | 1         | 5         | 6      | 3         | 8         | 11     | 5          | 4         | 9      | 11        | 9         | 20     | 11        | 15        | 26     | 6         | 9    | 15  |           |  |  |
| Variable . . .                                              | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...  | ... |           |  |  |
| Resultant {                                                 | Percentage  |           |        | 46        |           |        | 39        |           |        | 24        |           |        | 27        |           |        | 53        |           |        | 49        |           |        | 56        |           |        | 57         |           |        | 61        |           |        | 44        |           |        | 16        |      |     | 24        |  |  |
|                                                             | Direction . |           |        | N. 26° W. |           |        | N. 27° W. |           |        | N. 8° W.  |           |        | N. 32° E. |           |        | N. 52° E. |           |        | N. 83° E. |           |        | N. 84° E. |           |        | S. 84° E.  |           |        | N. 81° E. |           |        | S. 78° E. |           |        | S. 88° E. |      |     | N. 40° W. |  |  |
| Mean diurnal velocity of wind in miles .                    |             | 30.6      |        |           | 38.6      |        |           | 45.9      |        |           | 44.1      |        |           | 64.7      |        |           | 46.6      |        |           | 56.4      |        |           | 54.4      |        |            | 44.0      |        |           | 25.4      |        |           | 20.1      |        |           | 32.4 |     |           |  |  |
| Average {                                                   | Percentage  |           |        | 30        |           |        | 27        |           |        | 30        |           |        | 25        |           |        | 41        |           |        | 46        |           |        | 48        |           |        | 52         |           |        | 51        |           |        | 39        |           |        | 21        |      |     | 16        |  |  |
|                                                             | Direction . |           |        | N. 7° W.  |           |        | N. 4° W.  |           |        | N. 40° E. |           |        | N. 46° E. |           |        | N. 79° E. |           |        | N. 87° E. |           |        | S. 79° E. |           |        | S. 75° E.  |           |        | S. 88° E. |           |        | N. 75° E. |           |        | N. 51° E. |      |     | N. 3° E.  |  |  |
| Average diurnal velocity of wind in miles .<br>14-15 Years. |             | 33.0      |        |           | 46.4      |        |           | 48.0      |        |           | 58.1      |        |           | 53.5      |        |           | 58.0      |        |           | 57.5      |        |           | 48.5      |        |            | 38.6      |        |           | 27.6      |        |           | 17.6      |        |           | 18.3 |     |           |  |  |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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## 8.—PESHAWAR (2 observations daily).

|                                                         | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |           |        |
|---------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|
|                                                         | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |
| North . . .                                             | 1         | 5         | 6      | 1         | 1         | 2      | 5         | 2         | 7      | 3         | 4         | 7      | 10        | 5         | 15     | 8         | 2         | 10     | 7         | 7         | 14     | 10        | 5         | 15     | 6          | 9         | 15     | 5         | 8         | 13     | 2         | 2         | 4      | 4         | 4         | 8      |
| North-East . . .                                        | 3         | 2         | 5      | 1         | 2         | 3      | 3         | 6         | 9      | 11        | 2         | 13     | 6         | 9         | 15     | 8         | 11        | 19     | 7         | 16        | 23     | 13        | 17        | 30     | 11         | 11        | 22     | 4         | 11        | 15     | 8         | 6         | 14     | 4         | 3         | 7      |
| East . . .                                              | 4         | 3         | 7      | 3         | 4         | 7      | 1         | 7         | 8      | 4         | 1         | 5      | 1         | 4         | 5      | 3         | 5         | 8      | 4         | 3         | 7      | 6         | 2         | 8      | 2          | 2         | 4      | 4         | 2         | 6      | 2         | 5         | 7      | 4         | 1         | 5      |
| South-East . . .                                        | 4         | 4         | 8      | 1         | ...       | 1      | 1         | 1         | 2      | ...       | 5         | 5      | ...       | 2         | 2      | ...       | 3         | 3      | 1         | 2         | 3      | ...       | 1         | 1      | 3          | 1         | 4      | ...       | 2         | 2      | 3         | ...       | 3      | 4         | 2         | 6      |
| South . . .                                             | 3         | 4         | 7      | 9         | 3         | 12     | 1         | 5         | 6      | 2         | ...       | 2      | 1         | 1         | 2      | 1         | 1         | 2      | ...       | 1         | 1      | ...       | 2         | 2      | 2          | ...       | 2      | 1         | 2         | 3      | 2         | 6         | 8      | 1         | 4         | 5      |
| South-West . . .                                        | 3         | 2         | 5      | 2         | 2         | 4      | 1         | 1         | 2      | ...       | 8         | 8      | ...       | 2         | 2      | 2         | 2         | 4      | 1         | 1         | 2      | ...       | 2         | 2      | 1          | ...       | 1      | 1         | ...       | 1      | 1         | 3         | 4      | 2         | 4         | 6      |
| West . . .                                              | 4         | 2         | 6      | 2         | 8         | 10     | 5         | 4         | 9      | 2         | 4         | 6      | 1         | 5         | 6      | 2         | 3         | 5      | 2         | ...       | 2      | ...       | 1         | 1      | ...        | 2         | 2      | 3         | ...       | 3      | 1         | 2         | 3      | 2         | 5         | 7      |
| North-West . . .                                        | 1         | 3         | 4      | 4         | 4         | 8      | 4         | 3         | 7      | 2         | 2         | 4      | 8         | 4         | 12     | 3         | 2         | 5      | 5         | 1         | 6      | ...       | 1         | 1      | 2          | 4         | 6      | 3         | 3         | 6      | 1         | ...       | 1      | 3         | 5         | 8      |
| Calm . . .                                              | 8         | 6         | 14     | 5         | 4         | 9      | 10        | 2         | 12     | 6         | 4         | 10     | 2         | 1         | 3      | 3         | 1         | 4      | 4         | ...       | 4      | 2         | ...       | 2      | 3          | 1         | 4      | 10        | 3         | 13     | 10        | 6         | 16     | 7         | 3         | 10     |
| Variable . . .                                          | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |
| Resultant {                                             | 9         |           |        | 19        |           |        | 15        |           |        | 14        |           |        | 47        |           |        | 39        |           |        | 56        |           |        | 68        |           |        | 55         |           |        | 40        |           |        | 21        |           |        | 9         |           |        |
|                                                         | S. 45° E. |           |        | S. 56° W. |           |        | N. 3° E.  |           |        | N. 23° E. |           |        | N. 2° E.  |           |        | N. 31° E. |           |        | N. 31° E. |           |        | N. 39° E. |           |        | N. 28° E.  |           |        | N. 24° E. |           |        | N. 82° E. |           |        | N. 28° W. |           |        |
| Mean diurnal velocity of wind in miles .                | 61.9      |           |        | 86.3      |           |        | 73.9      |           |        | 88.4      |           |        | 151.5     |           |        | 79.5      |           |        | 93.6      |           |        | 94.8      |           |        | 74.1       |           |        | 57.5      |           |        | 57.2      |           |        | 71.1      |           |        |
| Average Resultant {                                     | 7         |           |        | 9         |           |        | 14        |           |        | 19        |           |        | 25        |           |        | 31        |           |        | 47        |           |        | 54        |           |        | 53         |           |        | 37        |           |        | 18        |           |        | 9         |           |        |
|                                                         | S. 11° E. |           |        | N. 51° W. |           |        | N. 15° E. |           |        | N. 10° E. |           |        | N. 25° E. |           |        | N. 50° E. |           |        | N. 56° E. |           |        | N. 42° E. |           |        | N. 41° E.  |           |        | N. 61° E. |           |        | N. 85° E. |           |        | S. 20° E. |           |        |
| Average diurnal velocity of wind in miles. 10-11 Years. | 57.5      |           |        | 78.7      |           |        | 84.0      |           |        | 89.7      |           |        | 112.9     |           |        | 100.4     |           |        | 101.6     |           |        | 94.4      |           |        | 74.9       |           |        | 62.2      |           |        | 51.4      |           |        | 59.1      |           |        |

## 9.—MURREE (2 observations daily).

|                                                       | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |    |  |  |  |
|-------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|----|--|--|--|
|                                                       | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |    |  |  |  |
| North . . .                                           | ...       | 1         | 1      | 1         | .         | 1      | ...       | 1         | 1      | 2         | 1         | 3      | 1         | 1         | 2      | 2         | 1         | 3      | ...       | ...       | ...    | 1         | ...       | 1      | 1          | ...       | 1      | 2         | ...       | 2      | 1         | ...       | 1      | 1         | 1   | 2  |  |  |  |
| North-East . . .                                      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | 1         | 1         | 2      | ...       | ...       | ...    | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...        | 1         | 1      | 1         | ...       | 1      | ...       | ...       | ...    | ...       |     |    |  |  |  |
| East . . .                                            | ...       | 2         | 2      | 2         | 5         | 7      | 1         | 1         | 2      | 3         | 1         | 4      | 1         | 3         | 4      | ...       | 1         | 1      | 1         | 2         | 3      | ...       | ...       | ...    | 3          | 1         | 4      | ...       | 2         | 2      | 1         | ...       | 1      | ...       | 1   | 1  |  |  |  |
| South-East . . .                                      | 25        | 17        | 42     | 17        | 11        | 28     | 21        | 19        | 40     | 9         | 7         | 16     | 9         | 2         | 11     | 8         | 4         | 12     | 10        | 8         | 18     | 5         | 9         | 14     | 5          | 6         | 11     | 11        | 6         | 17     | 11        | 10        | 21     | 20        | 15  | 35 |  |  |  |
| South . . .                                           | ...       | ...       | ...    | 3         | 2         | 5      | 3         | 2         | 5      | 2         | 5         | 7      | 6         | 3         | 9      | 7         | 9         | 16     | 8         | 11        | 19     | 2         | 9         | 11     | 2          | 5         | 7      | 7         | 2         | 9      | 6         | 3         | 9      | 6         | 2   | 8  |  |  |  |
| South-West . . .                                      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | 5         | 5      | ...       | 1         | 1      | ...       | ...       | ...    | 1         | 1         | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 1         | 1   |    |  |  |  |
| West . . .                                            | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | 1         | 1      | ...       | 2         | 2      | ...       | 5         | 5      | 2         | 1         | 3      | 2         | 2         | 4      | ...        | 4         | 4      | ...       | 5         | 5      | ...       | 1         | 1      | ...       | 1   | 1  |  |  |  |
| North-West . . .                                      | ...       | 2         | 2      | ...       | 4         | 4      | 1         | 1         | 2      | 4         | 4         | 8      | 3         | 4         | 7      | 3         | 1         | 4      | 1         | 1         | 2      | 4         | 2         | 6      | 4          | 6         | 10     | 2         | 6         | 8      | 1         | 7         | 8      | 1         | 4   | 5  |  |  |  |
| Calm . . .                                            | 6         | 8         | 14     | 5         | 6         | 11     | 5         | 7         | 12     | 9         | 9         | 18     | 11        | 11        | 22     | 10        | 7         | 17     | 9         | 8         | 17     | 17        | 8         | 25     | 15         | 8         | 23     | 9         | 9         | 18     | 9         | 9         | 18     | 3         | 6   | 9  |  |  |  |
| Variable . . .                                        | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |  |  |  |
| Resultant {                                           | 66        |           |        | 57        |           |        | 68        |           |        | 22        |           |        | 22        |           |        | 31        |           |        | 52        |           |        | 26        |           |        | 11         |           |        | 21        |           |        | 32        |           |        | 56        |     |    |  |  |  |
|                                                       | S. 49° E. |           |        | S. 49° E. |           |        | S. 43° E. |           |        | S. 51° E. |           |        | S. 6° E.  |           |        | S. 5° E.  |           |        | S. 20° E. |           |        | S. 3° E.  |           |        | S. 6° E.   |           |        | S. 18° E. |           |        | S. 31° E. |           |        | S. 36° E. |     |    |  |  |  |
| Mean diurnal velocity of wind in miles .              | 249.9     |           |        | 242.9     |           |        | 252.9     |           |        | 235.9     |           |        | 193.9     |           |        | 181.3     |           |        | 152.7     |           |        | 125.6     |           |        | 170.0      |           |        | 177.2     |           |        | 142.4     |           |        | 215.6     |     |    |  |  |  |
| Average Resultant {                                   | 35        |           |        | 29        |           |        | 28        |           |        | 16        |           |        | 13        |           |        | 12        |           |        | 14        |           |        | 12        |           |        | 8          |           |        | 10        |           |        | 17        |           |        | 31        |     |    |  |  |  |
|                                                       | S. 54° E. |           |        | S. 39° E. |           |        | S. 35° E. |           |        | S. 40° E. |           |        | S. 18° E. |           |        | S. 2° W.  |           |        | S. 15° E. |           |        | S. 4° E.  |           |        | S. 52° E.  |           |        | S. 30° E. |           |        | S. 46° E. |           |        | S. 58° E. |     |    |  |  |  |
| 15 Years.                                             |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |  |  |  |
| Average diurnal velocity of wind in miles. 4-6 Years. | 189.0     |           |        | 192.2     |           |        | 210.8     |           |        | 216.7     |           |        | 194.1     |           |        | 156.5     |           |        | 133.5     |           |        | 109.3     |           |        | 122.6      |           |        | 136.6     |           |        | 121.3     |           |        | 143.1     |     |    |  |  |  |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 10.—RAWALPINDI (2 observations daily).

|                                                                  | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |
|------------------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|
|                                                                  | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |
| North . . . . .                                                  | ...       | ...       | ...    | ...       | ...       | ...    | 1         | ...       | 1      | ...       | ...       | ...    | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | 1      | 1          | 1         | ...    | 1         | ...       | ...    | ...       | 1         | 1      | 2         |     |     |
| North-East . . . . .                                             | 2         | ...       | 2      | 1         | 5         | 6      | 1         | 1         | 2      | 1         | ...       | 1      | 1         | ...       | 1      | 3         | ...       | 3      | 1         | 1         | 2      | 3         | 2         | 5      | 3          | 4         | 7      | 1         | 3         | 4      | 2         | 2         | 4      | 1         | 3   | 4   |
| East . . . . .                                                   | 1         | 1         | 2      | ...       | ...       | ...    | 2         | 1         | 3      | ...       | ...       | ...    | 1         | 1         | 2      | 2         | ...       | 2      | 2         | 1         | 3      | 1         | ...       | 1      | 1          | ...       | 1      | 1         | ...       | 1      | 1         | 2         | ...    | 2         |     |     |
| South-East . . . . .                                             | 1         | ...       | 1      | 1         | ...       | 1      | 3         | 4         | 7      | 1         | 1         | 2      | 5         | 1         | 6      | 10        | 6         | 16     | 11        | 12        | 23     | 7         | 6         | 13     | 4          | 2         | 6      | 8         | 2         | 10     | 5         | 2         | 7      | 6         | 3   | 9   |
| South . . . . .                                                  | ...       | ...       | ...    | ...       | ...       | ...    | 3         | 6         | 9      | 5         | ...       | 5      | 4         | 4         | 8      | 7         | 5         | 12     | 7         | 4         | 11     | 4         | 3         | 7      | 4          | 2         | 6      | 7         | 2         | 9      | 1         | ...       | 1      | 1         | 2   | 3   |
| South-West . . . . .                                             | 1         | 3         | 4      | 5         | 2         | 7      | 1         | 1         | 2      | 5         | 3         | 8      | 3         | 2         | 5      | 3         | 4         | 7      | 1         | 2         | 3      | 2         | 2         | 4      | 2          | 1         | 3      | 1         | ...       | 1      | ...       | 3         | 3      | 3         | 4   | 7   |
| West . . . . .                                                   | 1         | 2         | 3      | 1         | 9         | 10     | 2         | 2         | 4      | 5         | 9         | 14     | 5         | 6         | 11     | ...       | 3         | 3      | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | 4         | 4         | 5      | 6         | 11  |     |
| North-West . . . . .                                             | 1         | 5         | 6      | 3         | 7         | 10     | 2         | 5         | 7      | 2         | 10        | 12     | 3         | 8         | 11     | 1         | 7         | 8      | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | 1         | 1         | 1      | 5         | 6         | 4      | 8         | 12  |     |
| Calm . . . . .                                                   | 24        | 20        | 44     | 17        | 5         | 22     | 16        | 11        | 27     | 11        | 7         | 18     | 9         | 8         | 17     | 3         | 4         | 7      | 9         | 11        | 20     | 14        | 18        | 32     | 16         | 20        | 36     | 13        | 22        | 35     | 21        | 13        | 34     | 8         | 4   | 12  |
| Variable . . . . .                                               | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |
| Resultant {                                                      | 10        |           |        | 32        |           |        | 13        |           |        | 44        |           |        | 27        |           |        | 35        |           |        | 54        |           |        | 31        |           |        | 17         |           |        | 25        |           |        | 3         |           |        | 21        |     |     |
|                                                                  | N. 70° W. |           |        | N. 72° W. |           |        | S. 7° W.  |           |        | S. 84° W. |           |        | S. 68° W. |           |        | S. 5° E.  |           |        | S. 34° E. |           |        | S. 35° E. |           |        | S. 52° E.  |           |        | S. 38° E. |           |        | S. 58° W. |           |        | S. 86° W. |     |     |
| Mean diurnal velocity of wind in miles . . . . .                 | 17.1      |           |        | 31.9      |           |        | 18.5      |           |        | 20.7      |           |        | 38.4      |           |        | 49.6      |           |        | 18.4      |           |        | 6.8       |           |        | 14.9       |           |        | 8.0       |           |        | ?         |           |        | ?         |     |     |
| Average Resultant {                                              | 21        |           |        | 30        |           |        | 24        |           |        | 23        |           |        | 10        |           |        | 15        |           |        | 35        |           |        | 27        |           |        | 12         |           |        | 16        |           |        | 25        |           |        | 31        |     |     |
|                                                                  | N. 72° W. |           |        | N. 77° W. |           |        | N. 68° W. |           |        | N. 65° W. |           |        | N. 79° W. |           |        | S. 15° E. |           |        | S. 66° E. |           |        | S. 58° E. |           |        | S. 40° E.  |           |        | S. 62° W. |           |        | S. 82° W. |           |        | N. 73° W. |     |     |
| Average diurnal velocity of wind in miles . . . . .<br>15 Years. | 43.2      |           |        | 53.2      |           |        | 56.4      |           |        | 64.2      |           |        | 61.8      |           |        | 57.8      |           |        | 45.4      |           |        | 34.0      |           |        | 29.0       |           |        | 26.8      |           |        | 24.8      |           |        | 25.6      |     |     |

## 11.—SIALKOT (2 observations daily).

|                                                       | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |    |  |  |  |
|-------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|----|--|--|--|
|                                                       | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |    |  |  |  |
| North . . . . .                                       | 4         | ...       | 4      | 1         | 2         | 3      | 3         | 1         | 4      | 8         | 3         | 11     | 3         | 6         | 9      | ...       | 2         | 2      | 1         | 1         | 2      | 1         | 2         | 3      | 1          | 2         | 3      | 1         | ...       | 1      | 3         | ...       | 3      | 3         | 6   | 9  |  |  |  |
| North-East . . . . .                                  | 4         | 2         | 6      | 3         | 1         | 4      | 5         | ...       | 5      | 3         | ...       | 3      | 3         | 1         | 4      | 4         | 2         | 6      | 1         | 2         | 3      | 2         | 1         | 3      | 4          | 1         | 5      | 3         | 1         | 4      | 4         | 1         | 5      | 3         | 1   | 4  |  |  |  |
| East . . . . .                                        | 5         | 5         | 10     | 5         | 1         | 6      | 5         | 6         | 11     | 4         | 1         | 5      | 12        | 6         | 18     | 10        | ...       | 10     | 12        | 7         | 19     | 11        | 7         | 18     | 9          | 5         | 14     | 11        | 4         | 15     | 6         | ...       | 6      | 7         | 2   | 9  |  |  |  |
| South-East . . . . .                                  | 3         | 1         | 4      | 2         | 1         | 3      | 3         | ...       | 3      | 1         | ...       | 1      | 7         | ...       | 7      | 4         | 2         | 6      | 8         | 9         | 17     | 9         | 2         | 11     | 8          | 4         | 12     | 8         | ...       | 8      | 5         | 1         | 6      | 4         | ... | 4  |  |  |  |
| South . . . . .                                       | 2         | 2         | 4      | 1         | 1         | 2      | ...       | 2         | 2      | ...       | ...       | ...    | 1         | 1         | 2      | 2         | 4         | 3      | 5         | 8         | 2      | 2         | 4         | 2      | 2          | 4         | 2      | 1         | 3         | 2      | ...       | 2         | 3      | ...       | 3   |    |  |  |  |
| South-West . . . . .                                  | 2         | 1         | 3      | 4         | 4         | 8      | 1         | 4         | 5      | 1         | ...       | 1      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | 1      | ...       | 1         | 1      | ...        | 1         | ...    | ...       | ...       | 1      | 1         | ...       | 2      | 2         |     |    |  |  |  |
| West . . . . .                                        | 2         | 12        | 14     | 9         | 11        | 20     | 3         | 12        | 15     | 2         | 17        | 19     | 1         | 8         | 9      | 2         | 9         | 11     | 1         | 2         | 3      | 1         | 1         | 2      | ...        | 4         | 4      | ...       | 11        | 11     | ...       | 2         | 2      | 4         | 8   | 12 |  |  |  |
| North-West . . . . .                                  | 2         | 1         | 3      | 1         | 4         | 5      | 4         | 1         | 5      | 3         | 4         | 7      | 1         | 3         | 4      | 1         | 4         | 5      | 1         | ...       | 1      | ...       | 2         | 2      | ...        | 4         | 4      | 2         | 3         | 5      | 1         | ...       | 1      | 6         | 1   | 7  |  |  |  |
| Calm . . . . .                                        | 7         | 7         | 14     | 2         | 3         | 5      | 7         | 5         | 12     | 8         | 5         | 13     | 3         | 6         | 9      | 7         | 9         | 16     | 4         | 5         | 9      | 4         | 14        | 18     | 5          | 8         | 13     | 4         | 11        | 15     | 9         | 25        | 34     | 1         | 11  | 12 |  |  |  |
| Variable . . . . .                                    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |  |  |  |
| Resultant {                                           | 3         |           |        | 33        |           |        | 10        |           |        | 39        |           |        | 25        |           |        | 7         |           |        | 53        |           |        | 40        |           |        | 31         |           |        | 15        |           |        | 17        |           |        | 17        |     |    |  |  |  |
|                                                       | N. 40° W. |           |        | S. 89° W. |           |        | N. 58° W. |           |        | N. 45° W. |           |        | N. 59° E. |           |        | N. 69° E. |           |        | S. 63° E. |           |        | S. 76° E. |           |        | S. 78° E.  |           |        | S. 82° E. |           |        | N. 88° E. |           |        | N. 21° W. |     |    |  |  |  |
| Mean diurnal velocity of wind in miles . . . . .      | 33.4      |           |        | 30.6      |           |        | 29.8      |           |        | 29.7      |           |        | 41.0      |           |        | 54.4      |           |        | 51.7      |           |        | 21.4      |           |        | 46.8       |           |        | 31.5      |           |        | 21.9      |           |        | ?         |     |    |  |  |  |
| Average Resultant {                                   | 22        |           |        | 35        |           |        | 34        |           |        | 21        |           |        | 17        |           |        | 11        |           |        | 35        |           |        | 28        |           |        | 7          |           |        | 15        |           |        | 26        |           |        | 28        |     |    |  |  |  |
|                                                       | N. 57° W. |           |        | N. 72° W. |           |        | N. 59° W. |           |        | N. 46° W. |           |        | N. 2° E.  |           |        | N. 77° E. |           |        | S. 86° E. |           |        | S. 89° E. |           |        | N. 39° E.  |           |        | N. 29° W. |           |        | N. 67° W. |           |        | N. 79° W. |     |    |  |  |  |
| 15 Years.                                             |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |  |  |  |
| Average diurnal velocity of wind in miles 10-11 Years | 33.2      |           |        | 42.6      |           |        | 46.8      |           |        | 57.7      |           |        | 61.2      |           |        | 62.3      |           |        | 58.8      |           |        | 51.8      |           |        | 37.1       |           |        | 31.4      |           |        | 22.6      |           |        | 24.8      |     |    |  |  |  |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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12.—LAHORE (4 observations daily).

|                                                            | JANUARY.        |           |           |           |        | FEBRUARY.       |           |           |           |        | MARCH.          |           |           |           |        | APRIL.          |           |           |           |        | MAY.            |           |           |           |        | JUNE.           |           |           |           |        |
|------------------------------------------------------------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|
|                                                            | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                            | 1               | 3         | 5         | 1         | 10     | ...             | 3         | 5         | ...       | 8      | 1               | 6         | 4         | ...       | 11     | 3               | 8         | 8         | 1         | 20     | 1               | 3         | 5         | ...       | 9      | 1               | 2         | 4         | 1         | 8      |
| North-East . . . . .                                       | 1               | 1         | 1         | ...       | 3      | 2               | 2         | 1         | ...       | 5      | 2               | ...       | 4         | ...       | 6      | 3               | 5         | 1         | 2         | 11     | 2               | ...       | 1         | 1         | 4      | 1               | 2         | 3         | ...       | 6      |
| East . . . . .                                             | 4               | 4         | 4         | 1         | 13     | 3               | 1         | 1         | 1         | 6      | 5               | 10        | 3         | 7         | 25     | 1               | 5         | 1         | 3         | 10     | 7               | 12        | 10        | 12        | 41     | 9               | 4         | 4         | 7         | 24     |
| South-East . . . . .                                       | ...             | 2         | ...       | 1         | 3      | ...             | 6         | 1         | ...       | 7      | 1               | 4         | 3         | ...       | 8      | ...             | 2         | 1         | ...       | 3      | 3               | 5         | ...       | ...       | 8      | 2               | 8         | 1         | 2         | 13     |
| South . . . . .                                            | ...             | 2         | 1         | ...       | 3      | ...             | ...       | 1         | ...       | 1      | ...             | 2         | 1         | ...       | 3      | ...             | 1         | 1         | ...       | 2      | 1               | 3         | 2         | ...       | 6      | 1               | 2         | 3         | 1         | 7      |
| South-West . . . . .                                       | ...             | 2         | 1         | 1         | 4      | ...             | ...       | 2         | ...       | 2      | 1               | ...       | 1         | 1         | 3      | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | 2         | 1         | ...       | 3      |
| West . . . . .                                             | 1               | 10        | 8         | ...       | 19     | 1               | 4         | 9         | ...       | 14     | ...             | 5         | 8         | ...       | 13     | 1               | 3         | 10        | 1         | 15     | 1               | 3         | 4         | 1         | 9      | 1               | 7         | 7         | 1         | 16     |
| North-West . . . . .                                       | 1               | 2         | 4         | 1         | 8      | 2               | 10        | 8         | 2         | 22     | ...             | 3         | 4         | 3         | 10     | 2               | 6         | 4         | 3         | 15     | 1               | 4         | 7         | ...       | 12     | ...             | 2         | 1         | ...       | 3      |
| Calm . . . . .                                             | 23              | 5         | 7         | 26        | 61     | 20              | 2         | ...       | 25        | 47     | 21              | 1         | 3         | 20        | 45     | 20              | ...       | 4         | 20        | 44     | 15              | 1         | 2         | 17        | 35     | 15              | 1         | 6         | 18        | 40     |
| Variable . . . . .                                         | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Resultant { Percentage<br>Direction .                      | 11<br>N. 46° W. |           |           |           |        | 23<br>N. 40° W. |           |           |           |        | 14<br>N. 48° E. |           |           |           |        | 29<br>N. 9° W.  |           |           |           |        | 27<br>N. 75° E. |           |           |           |        | 15<br>S. 77° E. |           |           |           |        |
| Mean diurnal velocity of<br>wind in miles . . . . .        | 60.7            |           |           |           |        | 78.6            |           |           |           |        | 81.1            |           |           |           |        | 83.1            |           |           |           |        | 107.2           |           |           |           |        | 93.9            |           |           |           |        |
| Average Resultant { Percentage<br>Direction .<br>15 Years. | 21<br>N. 25° W. |           |           |           |        | 30<br>N. 25° W. |           |           |           |        | 33<br>N. 10° W. |           |           |           |        | 26<br>N. 19° W. |           |           |           |        | 21<br>N. 7° E.  |           |           |           |        | 11<br>N. 19° W. |           |           |           |        |
| Average diurnal velocity<br>of wind in miles<br>14 Years.  | 45.3            |           |           |           |        | 76.5            |           |           |           |        | 72.9            |           |           |           |        | 80.2            |           |           |           |        | 78.9            |           |           |           |        | 83.5            |           |           |           |        |

|                                                              | JULY.           |           |           |           |        | AUGUST.         |           |           |           |        | SEPTEMBER.      |           |           |           |        | OCTOBER.       |           |           |           |        | NOVEMBER.       |           |           |           |        | DECEMBER.       |           |           |           |        |
|--------------------------------------------------------------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|
|                                                              | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.       | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                              | ...             | ...       | 1         | ...       | 1      | ...             | 2         | 1         | ...       | 3      | 1               | 1         | 2         | 1         | 5      | ...            | 1         | 3         | ...       | 4      | 1               | 3         | 1         | ...       | 5      | 1               | 8         | 3         | 2         | 14     |
| North-East . . . . .                                         | 1               | 1         | ...       | ...       | 2      | 1               | ...       | 1         | ...       | 2      | ...             | 1         | 1         | ...       | 2      | ...            | 1         | 1         | ...       | 2      | ...             | 2         | 1         | ...       | 3      | ...             | 1         | ...       | ...       | 1      |
| East . . . . .                                               | 9               | 8         | 16        | 13        | 46     | 7               | 4         | 4         | 12        | 27     | 5               | 3         | 2         | 5         | 15     | 7              | 4         | 3         | 4         | 18     | 1               | 5         | ...       | 1         | 7      | 1               | 4         | 2         | 2         | 9      |
| South-East . . . . .                                         | 5               | 7         | 3         | ...       | 15     | 3               | 6         | 8         | 2         | 19     | 1               | 2         | 2         | ...       | 5      | ...            | 6         | ...       | ...       | 6      | ...             | 1         | ...       | ...       | 1      | 1               | 3         | 1         | ...       | 5      |
| South . . . . .                                              | ...             | 3         | 3         | ...       | 6      | ...             | 2         | 4         | ...       | 6      | ...             | 1         | 3         | ...       | 4      | ...            | 4         | ...       | ...       | 4      | ...             | 5         | ...       | ...       | 5      | ...             | 1         | ...       | ...       | 1      |
| South-West . . . . .                                         | 2               | ...       | 1         | ...       | 3      | ...             | 4         | 2         | ...       | 6      | 1               | 6         | 1         | 1         | 9      | ...            | 1         | 1         | ...       | 2      | ...             | ...       | 1         | ...       | 1      | 1               | 1         | ...       | ...       | 2      |
| West . . . . .                                               | ...             | 5         | 2         | 1         | 8      | 1               | 6         | ...       | 1         | 8      | 1               | 7         | 8         | ...       | 16     | ...            | 4         | 5         | ...       | 9      | ...             | 7         | 4         | ...       | 11     | 1               | 7         | 9         | ...       | 17     |
| North-West . . . . .                                         | ...             | 2         | ...       | ...       | 2      | ...             | ...       | ...       | ...       | ...    | ...             | 2         | 2         | ...       | 4      | ...            | 4         | 4         | ...       | 8      | ...             | 1         | 2         | ...       | 3      | 1               | 3         | 4         | ...       | 8      |
| Calm . . . . .                                               | 14              | 5         | 5         | 17        | 41     | 19              | 7         | 11        | 16        | 53     | 21              | 7         | 9         | 23        | 60     | 24             | 6         | 14        | 27        | 71     | 28              | 6         | 21        | 29        | 84     | 25              | 3         | 12        | 27        | 67     |
| Variable . . . . .                                           | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...            | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Resultant { Percentage<br>Direction .                        | 39<br>S. 72° E. |           |           |           |        | 28<br>S. 57° E. |           |           |           |        | 6<br>S. 48° W.  |           |           |           |        | 6<br>N. 79° E. |           |           |           |        | 4<br>N. 55° W.  |           |           |           |        | 15<br>N. 37° W. |           |           |           |        |
| Mean diurnal velocity of<br>wind in miles . . . . .          | 86.8            |           |           |           |        | 58.8            |           |           |           |        | 49.5            |           |           |           |        | 38.5           |           |           |           |        | 28.7            |           |           |           |        | 41.6            |           |           |           |        |
| Average Resultant { Percentage<br>Direction .<br>15 Years.   | 34<br>S. 84° E. |           |           |           |        | 27<br>S. 83° E. |           |           |           |        | 13<br>N. 60° E. |           |           |           |        | 12<br>N. 3° W. |           |           |           |        | 22<br>N. 47° W. |           |           |           |        | 22<br>N. 30° W. |           |           |           |        |
| Average diurnal velocity<br>of wind in miles<br>14-15 Years. | 78.0            |           |           |           |        | 67.6            |           |           |           |        | 48.5            |           |           |           |        | 38.2           |           |           |           |        | 33.4            |           |           |           |        | 35.7            |           |           |           |        |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

13.—LUDHIANA (2 observations daily).

|                                                        | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        |
|--------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|
|                                                        | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |
| North . . . . .                                        | 2         | 3         | 5      | 3         | ...       | 3      | 3         | 1         | 4      | 8         | 5         | 13     | 1         | 3         | 4      | 1         | 3         | 4      |
| North-East . . . . .                                   | ...       | 1         | 1      | ...       | ...       | ...    | 2         | ...       | 2      | 1         | ...       | 1      | 1         | 2         | 3      | ...       | ...       | ...    |
| East . . . . .                                         | 4         | ...       | 4      | 1         | ...       | 1      | 4         | 1         | 5      | 2         | 1         | 3      | 2         | 5         | 7      | 2         | 3         | 5      |
| South-East . . . . .                                   | 1         | 1         | 2      | ...       | 1         | 1      | 2         | 2         | 4      | 2         | 1         | 3      | 8         | ...       | 8      | 8         | 3         | 11     |
| South . . . . .                                        | 2         | 1         | 3      | 2         | 3         | 5      | 6         | 5         | 11     | 2         | 1         | 3      | 6         | 2         | 8      | 5         | 2         | 7      |
| South-West . . . . .                                   | ...       | ...       | ...    | ...       | ...       | ...    | ...       | 1         | 1      | ...       | ...       | ...    | 1         | ...       | 1      | ...       | 1         | 1      |
| West . . . . .                                         | 8         | 8         | 16     | 6         | 10        | 16     | 5         | 7         | 12     | 5         | 11        | 16     | 1         | 7         | 8      | 6         | 6         | 12     |
| North-West . . . . .                                   | 3         | 5         | 8      | 8         | 9         | 17     | 4         | 10        | 14     | 6         | 10        | 16     | 1         | 2         | 3      | 1         | 5         | 6      |
| Calm . . . . .                                         | 11        | 12        | 23     | 8         | 5         | 13     | 5         | 4         | 9      | 4         | 1         | 5      | 10        | 10        | 20     | 7         | 7         | 14     |
| Variable . . . . .                                     | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |
| Resultant { Percentage . .                             | 27        |           |        | 50        |           |        | 22        |           |        | 49        |           |        | 12        |           |        | 14        |           |        |
| Direction . . . . .                                    | N. 66° W. |           |        | N. 71° W. |           |        | N. 87° W. |           |        | N. 47° W. |           |        | S. 33° E. |           |        | S. 30° W. |           |        |
| Mean diurnal velocity of wind in miles . . . . .       | 21'0      |           |        | 36'5      |           |        | 44'2      |           |        | 51'2      |           |        | 41'0      |           |        | 43'9      |           |        |
| Average Resultant { Percentage . .                     | 25        |           |        | 39        |           |        | 33        |           |        | 27        |           |        | 10        |           |        | 10        |           |        |
| Direction . . . . .                                    | N. 56° W. |           |        | N. 48° W. |           |        | N. 47° W. |           |        | N. 59° W. |           |        | N. 57° W. |           |        | N. 74° W. |           |        |
| Average diurnal velocity of wind in miles 10-11 Years. | 27'3      |           |        | 38'8      |           |        | 44'6      |           |        | 52'7      |           |        | 54'9      |           |        | 59'6      |           |        |

|                                                     | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |           |        |
|-----------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|
|                                                     | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |
| North . . . . .                                     | ...       | 2         | 2      | 1         | 4         | 5      | ...        | 1         | 1      | ...       | 1         | 1      | 7         | 7         | 14     | 2         | 2         | 4      |
| North-East . . . . .                                | ...       | 1         | 1      | 1         | ...       | 1      | ...        | ...       | ...    | ...       | ...       | ...    | 1         | 1         | 2      | ...       | ...       | ...    |
| East . . . . .                                      | 3         | 4         | 7      | 1         | ...       | 1      | ...        | ...       | ...    | 1         | 1         | 2      | 1         | 1         | 2      | 1         | ...       | 1      |
| South-East . . . . .                                | 9         | 4         | 13     | 1         | 1         | 2      | ...        | ...       | ...    | 2         | 1         | 3      | 2         | ...       | 2      | 2         | ...       | 2      |
| South . . . . .                                     | 3         | 1         | 4      | 1         | 1         | 2      | 2          | 1         | 3      | 5         | ...       | 5      | 4         | 2         | 6      | ...       | ...       | ...    |
| South-West . . . . .                                | ...       | ...       | ...    | ...       | ...       | ...    | 1          | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |
| West . . . . .                                      | 2         | 1         | 3      | 2         | 3         | 5      | 3          | 4         | 7      | 3         | 7         | 10     | 2         | 10        | 12     | 8         | 16        | 24     |
| North-West . . . . .                                | 1         | 2         | 3      | 1         | 2         | 3      | 2          | 1         | 3      | 1         | 4         | 5      | 6         | 4         | 10     | 8         | 3         | 11     |
| Calm . . . . .                                      | 13        | 16        | 29     | 23        | 20        | 43     | 22         | 23        | 45     | 19        | 17        | 36     | 7         | 5         | 12     | 10        | 10        | 20     |
| Variable . . . . .                                  | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |
| Resultant { Percentage . .                          | 23        |           |        | 10        |           |        | 16         |           |        | 16        |           |        | 35        |           |        | 50        |           |        |
| Direction . . . . .                                 | S. 55° E. |           |        | N. 42° W. |           |        | S. 86° W.  |           |        | S. 75° W. |           |        | N. 43° W. |           |        | N. 71° W. |           |        |
| Mean diurnal velocity of wind in miles . . . . .    | 24'6      |           |        | 12'0      |           |        | 12'9       |           |        | 9'5       |           |        | 10'2      |           |        | 16'3      |           |        |
| Average Resultant { Percentage . .                  | 25        |           |        | 10        |           |        | 13         |           |        | 24        |           |        | 36        |           |        | 24        |           |        |
| Direction . . . . .                                 | S. 46° E. |           |        | S. 66° E. |           |        | N. 40° W.  |           |        | N. 40° W. |           |        | N. 44° W. |           |        | N. 30° W. |           |        |
| Average diurnal velocity of wind in miles 11 Years. | 48'7      |           |        | 35'4      |           |        | 25'8       |           |        | 21'6      |           |        | 19'1      |           |        | 21'4      |           |        |



TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 15.—KAILANG (2 observations daily).

|                                            | JANUARY.   |           |        | FEBRUARY. |           |           | MARCH.    |           |        | APRIL.    |           |           | MAY.      |           |        | JUNE.     |           |           | JULY.     |           |        | AUGUST.   |           |           | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |    |
|--------------------------------------------|------------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|----|
|                                            | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |    |
| North                                      | ...        | 2         | 2      | ...       | 1         | 1         | 1         | ...       | 1      | ...       | ...       | ...       | ...       | ...       | ...    | 1         | 1         | 1         | 2         | 3         | 2      | 4         | 6         | ...       | 3          | 3         | ...    | 1         | 1         | ...    | ...       | ...       | 1      | 1         | 2   |    |
| North-East                                 | ...        | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | 1         | ...       | 1         | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | 1         | 1          | ...       | 1      | 1         | ...       | ...    | ...       | ...       | ...    | 1         | 1   |    |
| East                                       | ...        | 1         | 1      | ...       | ...       | ...       | ...       | 2         | 2      | ...       | 1         | 1         | ...       | ...       | ...    | ...       | 1         | 1         | 1         | ...       | 1      | ...       | ...       | ...       | ...        | ...       | 1      | 1         | ...       | 3      | 3         | 2         | 4      | 6         |     |    |
| South-East                                 | 2          | 5         | 7      | 1         | 1         | 2         | 5         | ...       | 5      | 2         | ...       | 2         | 1         | 1         | 2      | 1         | ...       | 1         | 1         | ...       | 1      | ...       | 1         | 1         | ...        | 1         | ...    | 2         | 2         | 1      | ...       | 1         | 3      | 5         | 8   |    |
| South                                      | 6          | 6         | 12     | 2         | 2         | 4         | 2         | 2         | 4      | 2         | 1         | 3         | 1         | ...       | 1      | 1         | 3         | 4         | 2         | 2         | 4      | 1         | 1         | 2         | 5          | ...       | 5      | 4         | 6         | 10     | 6         | 2         | 8      | 4         | 2   | 6  |
| South-West                                 | 5          | 3         | 8      | 3         | 6         | 9         | 8         | 5         | 13     | 10        | 9         | 19        | 18        | 8         | 26     | 15        | 7         | 22        | 11        | 4         | 15     | 15        | 2         | 17        | 18         | 5         | 23     | 16        | 4         | 20     | 9         | 7         | 16     | 10        | 4   | 14 |
| West                                       | 9          | 6         | 15     | 16        | 12        | 28        | 13        | 16        | 29     | 14        | 14        | 28        | 11        | 20        | 31     | 10        | 17        | 27        | 14        | 17        | 31     | 11        | 23        | 34        | 5          | 15        | 20     | 10        | 13        | 23     | 13        | 13        | 26     | 8         | 13  | 21 |
| North-West                                 | 7          | 5         | 12     | 5         | 4         | 9         | 2         | 5         | 7      | 1         | 4         | 5         | ...       | 2         | 2      | 3         | 1         | 4         | 1         | 6         | 7      | 1         | 1         | 2         | 1          | 6         | 7      | 1         | 2         | 3      | 1         | 5         | 6      | 3         | 1   | 4  |
| Calm.                                      | ...        | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |
| Variable                                   | ...        | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |
| Resultant                                  | Percentage | 46        |        | 75        |           | 64        |           | 75        |        | 86        |           | 78        |           | 73        |        | 76        |           | 70        |           | 69        |        | 68        |           | 43        |            |           |        |           |           |        |           |           |        |           |     |    |
|                                            | Direction  | S. 62° W. |        | S. 84° W. |           | S. 74° W. |           | S. 72° W. |        | S. 69° W. |           | S. 69° W. |           | S. 81° W. |        | S. 81° W. |           | S. 72° W. |           | S. 59° W. |        | S. 67° W. |           | S. 53° W. |            |           |        |           |           |        |           |           |        |           |     |    |
| Mean diurnal velocity of wind in miles     |            | ?         |        | ?         |           | ?         |           | 67.8      |        | 84.3      |           | 82.6      |           | 65.0      |        | 70.2      |           | 71.0      |           | 68.1      |        | 54.6      |           | 42.2      |            |           |        |           |           |        |           |           |        |           |     |    |
| Average Resultant                          | Percentage | 43        |        | 62        |           | 68        |           | 71        |        | 73        |           | 72        |           | 61        |        | 59        |           | 65        |           | 73        |        | 69        |           | 48        |            |           |        |           |           |        |           |           |        |           |     |    |
|                                            | Direction  | S. 54° W. |        | S. 69° W. |           | S. 69° W. |           | S. 64° W. |        | S. 58° W. |           | S. 62° W. |           | S. 78° W. |        | S. 73° W. |           | S. 58° W. |           | S. 52° W. |        | S. 55° W. |           | S. 41° W. |            |           |        |           |           |        |           |           |        |           |     |    |
| 3-4 Years.                                 |            | ...       |        | ...       |           | ...       |           | ...       |        | ...       |           | ...       |           | ...       |        | ...       |           | ...       |           | ...       |        | ...       |           | ...       |            |           |        |           |           |        |           |           |        |           |     |    |
| Average diurnal velocity of wind in miles. |            | ...       |        | ...       |           | ...       |           | ...       |        | ...       |           | ...       |           | ...       |        | ...       |           | ...       |           | ...       |        | ...       |           | ...       |            |           |        |           |           |        |           |           |        |           |     |    |
| Years.                                     |            | ...       |        | ...       |           | ...       |           | ...       |        | ...       |           | ...       |           | ...       |        | ...       |           | ...       |           | ...       |        | ...       |           | ...       |            |           |        |           |           |        |           |           |        |           |     |    |

## 16.—SIMLA (2 observations daily).

|                                            | JANUARY.   |           |               | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |    |           |  |  |
|--------------------------------------------|------------|-----------|---------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|----|-----------|--|--|
|                                            | 10 hours.  | 16 hours. | Total.        | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |    |           |  |  |
| North                                      | 3          | 7         | 10            | 4         | 1         | 5      | 1         | 1         | 2      | ...       | ...       | ...    | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | 1         | 1         | 2      | 2          | 4         | ...    | 1         | 1         | ...    | 3         | 3         | ...    | 1         | 1   |    |           |  |  |
| North-East                                 | 5          | 3         | 8             | 7         | 2         | 9      | 3         | 2         | 5      | 4         | 1         | 5      | 1         | ...       | 1      | 2         | 2         | 4      | 3         | 2         | 5      | 5         | 2         | 7      | 2          | ...       | 2      | 1         | 1         | 2      | 1         | 3         | 4      | 2         | 5   | 7  |           |  |  |
| East                                       | 5          | ...       | 5             | 5         | 3         | 8      | 6         | 4         | 10     | 2         | ...       | 2      | 1         | ...       | 1      | 1         | 2         | 3      | 1         | ...       | 1      | 3         | 1         | 4      | ...        | ...       | ...    | ...       | ...       | ...    | 3         | 4         | 7      | 7         | 9   | 16 |           |  |  |
| South-East                                 | 9          | 15        | 24            | 7         | 16        | 23     | 10        | 16        | 26     | 3         | 8         | 11     | 1         | 1         | 2      | ...       | ...       | ...    | 2         | 1         | 3      | 4         | 8         | 12     | 4          | 4         | 8      | 3         | 1         | 4      | 11        | 8         | 19     | 6         | 7   | 13 |           |  |  |
| South                                      | 4          | 4         | 8             | 5         | 6         | 11     | 6         | 4         | 10     | 11        | 12        | 23     | 11        | 6         | 17     | 7         | 3         | 10     | 13        | 9         | 22     | 5         | 5         | 10     | 4          | 6         | 10     | 4         | 3         | 7      | 5         | 1         | 6      | 2         | 2   | 4  |           |  |  |
| South-West                                 | 2          | 2         | 4             | ...       | ...       | ...    | 2         | 4         | 6      | 7         | 8         | 15     | 12        | 17        | 29     | 13        | 20        | 33     | 9         | 14        | 23     | 10        | 12        | 22     | 13         | 15        | 28     | 11        | 13        | 24     | 1         | 5         | 6      | 9         | 4   | 13 |           |  |  |
| West                                       | 1          | ...       | 1             | ...       | ...       | ...    | 1         | ...       | 1      | ...       | ...       | ...    | 3         | 7         | 10     | 5         | 2         | 7      | 1         | 2         | 3      | 1         | 1         | 2      | 5          | 3         | 8      | ...       | ...       | ...    | 4         | ...       | 4      | 5         | 3   | 8  |           |  |  |
| North-West                                 | 1          | ...       | 1             | ...       | ...       | ...    | 2         | ...       | 2      | 1         | ...       | 1      | ...       | ...       | ...    | 1         | 1         | ...    | 2         | 2         | 2      | 1         | 3         | ...    | ...        | ...       | 12     | 12        | 24        | 5      | 6         | 11        | ...    | ...       | ... |    |           |  |  |
| Calm                                       | 1          | ...       | 1             | ...       | ...       | ...    | ...       | ...       | ...    | 2         | 1         | 3      | 1         | ...       | 1      | 1         | ...       | 1      | 2         | 1         | 3      | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |           |  |  |
| Variable                                   | ...        | ...       | ...           | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |           |  |  |
| Resultant                                  | Percentage |           |               | 42        |           |        | 62        |           |        | 58        |           |        | 62        |           |        | 75        |           |        | 66        |           |        | 61        |           |        | 43         |           |        | 61        |           |        | 49        |           |        | 21        |     |    | 34        |  |  |
|                                            | Direction  |           |               | S. 64° E. |           |        | S. 63° E. |           |        | S. 45° E. |           |        | S. 3° E.  |           |        | S. 36° W. |           |        | S. 40° W. |           |        | S. 22° W. |           |        | S. 5° W.   |           |        | S. 35° W. |           |        | S. 76° W. |           |        | S. 38° E. |     |    | S. 38° E. |  |  |
| Mean diurnal velocity of wind in miles     |            |           | Not recorded. |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |           |  |  |
| Average Resultant                          | Percentage |           |               | 23        |           |        | 28        |           |        | 36        |           |        | 32        |           |        | 44        |           |        | 40        |           |        | 30        |           |        | 25         |           |        | 32        |           |        | 43        |           |        | 32        |     |    | 19        |  |  |
|                                            | Direction  |           |               | S. 31° W. |           |        | S. 17° W. |           |        | S. 33° W. |           |        | S. 61° W. |           |        | S. 79° W. |           |        | S. 76° W. |           |        | S. 74° W. |           |        | N. 89° W.  |           |        | N. 87° W. |           |        | N. 60° W. |           |        | N. 88° W. |     |    | N. 69° W. |  |  |
| 6-7 Years.                                 |            |           |               |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |           |  |  |
| Average diurnal velocity of wind in miles. |            |           |               |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |           |  |  |
| 4-5 Years.                                 |            |           |               |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |           |  |  |



TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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## 17.—DELHI (2 observations daily).

|                                             | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |           |        |
|---------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|
|                                             | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |
| North . . . . .                             | 2         | 6         | 8      | 5         | 3         | 8      | ...       | 2         | 2      | 8         | 4         | 12     | 4         | 4         | 8      | 2         | 2         | 4      | ...       | 4         | 4      | 1         | 1         | 2      | 1          | 4         | 5      | ...       | 7         | 7      | 3         | 2         | 5      | 1         | ...       | 1      |
| North-East . . . . .                        | 1         | 1         | 2      | 2         | ...       | 2      | 4         | 4         | 8      | 2         | 2         | 4      | 1         | 7         | 8      | 1         | 4         | 5      | 2         | 3         | 5      | ...       | 4         | 4      | ...        | 1         | 1      | 1         | 1         | 2      | ...       | 1         | 1      | ...       | 1         | 1      |
| East . . . . .                              | 2         | 3         | 5      | ...       | 1         | 1      | 4         | 2         | 6      | 1         | 1         | 2      | 4         | 1         | 5      | 2         | 1         | 3      | 2         | 3         | 5      | 5         | 2         | 7      | 1          | 1         | 2      | 3         | 1         | 4      | 1         | 3         | 4      | ...       | 3         | 3      |
| South-East . . . . .                        | 6         | 4         | 10     | 1         | 1         | 2      | 5         | 6         | 11     | 6         | ...       | 6      | 13        | 6         | 19     | 8         | 8         | 16     | 11        | 10        | 21     | 9         | 6         | 15     | 3          | 5         | 8      | 7         | 6         | 13     | 3         | ...       | 3      | 7         | 4         | 11     |
| South . . . . .                             | 3         | 2         | 5      | 1         | 1         | 2      | 3         | 1         | 4      | ...       | ...       | ...    | 3         | 1         | 4      | 2         | ...       | 2      | 5         | 4         | 9      | ...       | ...       | ...    | 1          | 2         | 3      | 3         | 2         | 5      | 3         | 1         | 4      | 1         | 2         | 3      |
| South-West . . . . .                        | 2         | ...       | 2      | ...       | 1         | 1      | 2         | 1         | 3      | 1         | 4         | 5      | 2         | 2         | 4      | 2         | 3         | 5      | 3         | 1         | 4      | 3         | 4         | 7      | ...        | 1         | 1      | ...       | ...       | ...    | 2         | ...       | 2      | 1         | 2         | 3      |
| West . . . . .                              | 10        | 5         | 15     | 10        | 5         | 15     | 8         | 9         | 17     | 7         | 5         | 12     | 4         | 2         | 6      | 8         | 3         | 11     | 5         | 3         | 8      | 8         | 4         | 12     | 12         | 4         | 16     | 5         | 1         | 6      | 6         | 4         | 10     | 6         | 4         | 10     |
| North-West . . . . .                        | 5         | 7         | 12     | 9         | 16        | 25     | 5         | 6         | 11     | 5         | 14        | 19     | ...       | 7         | 7      | 5         | 7         | 12     | 3         | 3         | 6      | 5         | 7         | 12     | 12         | 10        | 22     | 3         | 6         | 9      | 3         | 9         | 12     | 11        | 11        | 22     |
| Calm . . . . .                              | ...       | 3         | 3      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | 1         | 1      | ...       | 2         | 2      | ...       | ...       | ...    | ...       | 3         | 3      | ...        | 2         | 2      | 9         | 7         | 16     | 9         | 10        | 19     | 4         | 4         | 8      |
| Variable . . . . .                          | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |
| Resultant { Percentage                      | 20        |           |        | 67        |           |        | 12        |           |        | 48        |           |        | 17        |           |        | 9         |           |        | 28        |           |        | 9         |           |        | 44         |           |        | 4         |           |        | 24        |           |        | 27        |           |        |
| Resultant { Direction .                     | N. 65° W. |           |        | N. 52° W. |           |        | N. 78° W. |           |        | N. 44° W. |           |        | S. 81° E. |           |        | S. 81° W. |           |        | S. 29° E. |           |        | S. 66° W. |           |        | N. 64° W.  |           |        | N. 75° E. |           |        | N. 63° W. |           |        | N. 75° W. |           |        |
| Mean diurnal velocity of wind in miles .    | 78.8      |           |        | 120.1     |           |        | 106.0     |           |        | 100.0     |           |        | 121.5     |           |        | 119.0     |           |        | 95.4      |           |        | 80.1      |           |        | 87.5       |           |        | 41.9      |           |        | 38.2      |           |        | 76.8      |           |        |
| Average Resultant { Percentage              | 38        |           |        | 39        |           |        | 47        |           |        | 41        |           |        | 12        |           |        | 24        |           |        | 15        |           |        | 6         |           |        | 15         |           |        | 47        |           |        | 50        |           |        | 52        |           |        |
| Average Resultant { Direction .             | N. 77° W. |           |        | N. 66° W. |           |        | N. 62° W. |           |        | N. 65° W. |           |        | N. 49° W. |           |        | N. 60° W. |           |        | S. 45° E. |           |        | S. 19° W. |           |        | N. 32° W.  |           |        | N. 49° W. |           |        | N. 59° W. |           |        | N. 67° W. |           |        |
| Average diurnal velocity of wind in miles . | 72.5      |           |        | 87.5      |           |        | 91.2      |           |        | 94.4      |           |        | 106.1     |           |        | 119.8     |           |        | 108.1     |           |        | 102.0     |           |        | 93.1       |           |        | 59.1      |           |        | 56.9      |           |        | 66.9      |           |        |

## 18.—SIRSA (2 observations daily).

|                                             | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER.     |           |        | DECEMBER.     |           |        |
|---------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|---------------|-----------|--------|---------------|-----------|--------|
|                                             | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.     | 16 hours. | Total. | 10 hours.     | 16 hours. | Total. |
| North . . . . .                             | 2         | 5         | 7      | 8         | 6         | 14     | 4         | 11        | 15     | 1         | 5         | 6      | ...       | 3         | 3      | 1         | 3         | 4      | ...       | 2         | 2      | ...       | 4         | 4      | ...        | ...       | ...    | 1         | 7         | 8      | Not recorded. |           |        | Not recorded. |           |        |
| North-East . . . . .                        | 2         | 7         | 9      | ...       | ...       | ...    | 5         | 3         | 8      | 2         | 4         | 6      | 1         | 4         | 5      | 1         | 4         | 5      | 1         | 2         | 3      | ...       | 2         | 2      | ...        | 2         | 2      | 2         | 6         | 8      |               |           |        |               |           |        |
| East . . . . .                              | 1         | 5         | 6      | 2         | 1         | 3      | 4         | 2         | 6      | 6         | 1         | 7      | 3         | 4         | 7      | 2         | 2         | 4      | 3         | 7         | 10     | 1         | 6         | 7      | ...        | 1         | 1      | 3         | 2         | 5      |               |           |        |               |           |        |
| South-East . . . . .                        | 9         | 2         | 11     | 3         | 2         | 5      | 4         | 1         | 5      | 6         | ...       | 6      | 10        | 2         | 12     | 1         | 1         | 2      | 6         | 4         | 10     | 5         | ...       | 5      | 2          | ...       | 2      | 10        | 1         | 11     |               |           |        |               |           |        |
| South . . . . .                             | 2         | ...       | 2      | 3         | ...       | 3      | 3         | 2         | 5      | 1         | ...       | 1      | 2         | 1         | 3      | 3         | 2         | 5      | ...       | 1         | 1      | 1         | ...       | 1      | ...        | 2         | 2      | 1         | ...       | 1      |               |           |        |               |           |        |
| South-West . . . . .                        | 2         | 2         | 4      | 2         | 2         | 4      | 3         | 1         | 4      | ...       | 1         | 1      | 6         | 2         | 8      | 4         | 3         | 7      | 4         | 4         | 8      | 7         | 6         | 13     | 8          | 8         | 16     | 3         | ...       | 3      |               |           |        |               |           |        |
| West . . . . .                              | 1         | 2         | 3      | ...       | 5         | 5      | 2         | 4         | 6      | 5         | 6         | 11     | 7         | 7         | 14     | 7         | 7         | 14     | 9         | 4         | 13     | 8         | 7         | 15     | 15         | 15        | 30     | 1         | 4         | 5      |               |           |        |               |           |        |
| North-West . . . . .                        | 8         | 8         | 16     | 7         | 8         | 15     | 3         | 5         | 8      | 6         | 12        | 18     | 1         | 7         | 8      | 5         | 5         | 10     | ...       | 1         | 1      | 6         | 1         | 7      | 4          | ...       | 4      | 2         | 7         | 9      |               |           |        |               |           |        |
| Calm . . . . .                              | 4         | ...       | 4      | 3         | 4         | 7      | 3         | 2         | 5      | 3         | 1         | 4      | 1         | 1         | 2      | 6         | 3         | 9      | 8         | 6         | 14     | 3         | 5         | 8      | 1          | 2         | 3      | 8         | 4         | 12     |               |           |        |               |           |        |
| Variable . . . . .                          | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    |               |           |        |               |           |        |
| Resultant { Percentage                      | 20        |           |        | 35        |           |        | 24        |           |        | 32        |           |        | 13        |           |        | 29        |           |        | 14        |           |        | 28        |           |        | 69         |           |        | 17        |           |        | ?             |           |        | ?             |           |        |
| Resultant { Direction .                     | N. 14° E. |           |        | N. 38° W. |           |        | N. 3° E.  |           |        | N. 28° W. |           |        | S. 52° W. |           |        | N. 79° W. |           |        | S. 1° W.  |           |        | S. 79° W. |           |        | S. 75° W.  |           |        | N. 28° E. |           |        | ?             |           |        | , ?           |           |        |
| Mean diurnal velocity of wind in miles .    | 100.4     |           |        | 120.7     |           |        | 128.6     |           |        | 133.0     |           |        | 155.3     |           |        | 132.5     |           |        | 95.3      |           |        | 127.3     |           |        | 155.4      |           |        | 79.8      |           |        | 46.9          |           |        | 84.7          |           |        |
| Average Resultant { Percentage              | 17        |           |        | 27        |           |        | 27        |           |        | 28        |           |        | 18        |           |        | 31        |           |        | 19        |           |        | 16        |           |        | 19         |           |        | 32        |           |        | 24            |           |        | 21            |           |        |
| Average Resultant { Direction .             | N. 23° W. |           |        | N. 28° W. |           |        | N. 35° W. |           |        | N. 78° W. |           |        | N. 83° W. |           |        | S. 88° W. |           |        | S. 3° W.  |           |        | S. 32° W. |           |        | N. 79° W.  |           |        | N. 76° W. |           |        | N. 59° W.     |           |        | N. 33° W.     |           |        |
| Average diurnal velocity of wind in miles . | 60.1      |           |        | 79.2      |           |        | 85.3      |           |        | 95.2      |           |        | 110.2     |           |        | 123.8     |           |        | 108.4     |           |        | 110.8     |           |        | 85.2       |           |        | 59.8      |           |        | 46.8          |           |        | 51.3          |           |        |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

19.—CHAKRATA (2 observations daily).

|                                                               | JANUARY.      |           |        | FEBRUARY.     |           |        | MARCH.        |           |        | APRIL.        |           |        | MAY.          |           |        | JUNE.         |           |        |
|---------------------------------------------------------------|---------------|-----------|--------|---------------|-----------|--------|---------------|-----------|--------|---------------|-----------|--------|---------------|-----------|--------|---------------|-----------|--------|
|                                                               | 10 hours.     | 16 hours. | Total. | 10 hours.     | 16 hours. | Total. | 10 hours.     | 16 hours. | Total. | 10 hours.     | 16 hours. | Total. | 10 hours.     | 16 hours. | Total. | 10 hours.     | 16 hours. | Total. |
| North . . .                                                   | 2             | 1         | 3      | 1             | ...       | 1      | 2             | ...       | 2      | 1             | ...       | 1      | ...           | ...       | ...    | ...           | ...       | ...    |
| North-East . . .                                              | 8             | 6         | 14     | 10            | 2         | 12     | 1             | 1         | 2      | 2             | 1         | 3      | 2             | 1         | 3      | 1             | ...       | 1      |
| East . . .                                                    | 11            | 4         | 15     | 7             | 2         | 9      | 14            | 7         | 21     | 11            | 4         | 15     | 5             | 7         | 12     | 11            | 2         | 13     |
| South-East . . .                                              | 2             | ...       | 2      | 1             | ...       | 1      | 3             | 1         | 4      | 2             | ...       | 2      | 2             | ...       | 2      | ...           | ...       | ...    |
| South . . .                                                   | 2             | 1         | 3      | ...           | ...       | ...    | 1             | 1         | 2      | 2             | ...       | 2      | 1             | ...       | 1      | ...           | ...       | ...    |
| South-West . . .                                              | 1             | 4         | 5      | 3             | 10        | 13     | 2             | 6         | 8      | 5             | 12        | 17     | 5             | 9         | 14     | 5             | 7         | 12     |
| West . . .                                                    | 2             | 13        | 15     | 1             | 13        | 14     | 2             | 15        | 17     | 5             | 12        | 17     | 16            | 14        | 30     | 10            | 19        | 29     |
| North-West . . .                                              | ...           | 1         | 1      | 1             | 1         | 2      | 1             | ...       | 1      | 1             | ...       | 1      | ...           | ...       | ...    | 1             | ...       | 1      |
| Calm . . .                                                    | 3             | 1         | 4      | 4             | ...       | 4      | 5             | ...       | 5      | 1             | 1         | 2      | ...           | ...       | ...    | 2             | 2         | 4      |
| Variable . . .                                                | ...           | ...       | ...    | ...           | ...       | ...    | ...           | ...       | ...    | ...           | ...       | ...    | ...           | ...       | ...    | ...           | ...       | ...    |
| Resultant { Percentage<br>Direction .                         | 15<br>N.51°E. |           |        | 12<br>N.81°W. |           |        | 11<br>S.16°E. |           |        | 27<br>S.44°W. |           |        | 43<br>S.67°W. |           |        | 42<br>S.74°W. |           |        |
| Mean diurnal velocity<br>of wind in miles .                   | 112.4         |           |        | 118.0         |           |        | 150.6         |           |        | 140.4         |           |        | 155.2         |           |        | 148.2         |           |        |
| Average Resultant { Percentage<br>Direction .<br>14-15 Years. | 9<br>S.66°W.  |           |        | 3<br>S.54°E.  |           |        | 8<br>S.56°W.  |           |        | 19<br>S.68°W. |           |        | 29<br>S.63°W. |           |        | 50<br>S.73°W. |           |        |
| Average diurnal velocity<br>of wind in miles.<br>14-15 Years. | 116.1         |           |        | 129.9         |           |        | 138.8         |           |        | 143.1         |           |        | 144.0         |           |        | 135.8         |           |        |

|                                                               | JULY.         |           |        | AUGUST.       |           |        | SEPTEMBER.    |           |        | OCTOBER.      |           |        | NOVEMBER.     |           |        | DECEMBER.     |           |        |
|---------------------------------------------------------------|---------------|-----------|--------|---------------|-----------|--------|---------------|-----------|--------|---------------|-----------|--------|---------------|-----------|--------|---------------|-----------|--------|
|                                                               | 10 hours.     | 16 hours. | Total. | 10 hours.     | 16 hours. | Total. | 10 hours.     | 16 hours. | Total. | 10 hours.     | 16 hours. | Total. | 10 hours.     | 16 hours. | Total. | 10 hours.     | 16 hours. | Total. |
| North . . .                                                   | 1             | ...       | 1      | ...           | ...       | ...    | 2             | ...       | 2      | 1             | ...       | 1      | 2             | ...       | 2      | ...           | ...       | ...    |
| North-East . . .                                              | 3             | ...       | 3      | 2             | 1         | 3      | 2             | ...       | 2      | 4             | ...       | 4      | 5             | 1         | 6      | 9             | 3         | 12     |
| East . . .                                                    | 4             | 4         | 8      | 2             | ...       | 2      | ...           | ...       | ...    | 5             | ...       | 5      | 5             | 1         | 6      | 6             | 3         | 9      |
| South-East . . .                                              | ...           | 1         | 1      | ...           | ...       | ...    | ...           | ...       | ...    | 1             | ...       | 1      | 1             | ...       | 1      | 3             | 1         | 4      |
| South . . .                                                   | ...           | ...       | ...    | ...           | ...       | ...    | ...           | ...       | ...    | ...           | ...       | ...    | 2             | 1         | 3      | 1             | ...       | 1      |
| South-West . . .                                              | 3             | 3         | 6      | ...           | 6         | 6      | 1             | 3         | 4      | 3             | 5         | 8      | 4             | 5         | 9      | 3             | 2         | 5      |
| West . . .                                                    | 13            | 21        | 34     | 15            | 22        | 37     | 8             | 27        | 35     | 8             | 25        | 33     | 3             | 22        | 25     | 3             | 18        | 21     |
| North-West . . .                                              | ...           | ...       | ...    | 1             | ...       | 1      | ...           | ...       | ...    | 2             | ...       | 2      | 2             | ...       | 2      | 2             | 2         | 4      |
| Calm . . .                                                    | 6             | 1         | 7      | 11            | 2         | 13     | 17            | ...       | 17     | 6             | ...       | 6      | 6             | ...       | 6      | 4             | 2         | 6      |
| Variable . . .                                                | ...           | ...       | ...    | ...           | ...       | ...    | ...           | ...       | ...    | ...           | ...       | ...    | ...           | ...       | ...    | ...           | ...       | ...    |
| Resultant { Percentage<br>Direction .                         | 46<br>S.86°W. |           |        | 61<br>S.88°W. |           |        | 61<br>N.89°W. |           |        | 53<br>S.88°W. |           |        | 37<br>S.84°W. |           |        | 13<br>N.61°W. |           |        |
| Mean diurnal velocity<br>of wind in miles .                   | 97.6          |           |        | 161.6         |           |        | 162.7         |           |        | 122.6         |           |        | 124.9         |           |        | 117.9         |           |        |
| Average Resultant { Percentage<br>Direction .<br>15 Years.    | 42<br>S.71°W. |           |        | 43<br>S.73°W. |           |        | 36<br>S.74°W. |           |        | 30<br>S.64°W. |           |        | 28<br>S.55°W. |           |        | 14<br>S.55°W. |           |        |
| Average diurnal velocity<br>of wind in miles.<br>14-15 Years. | 112.5         |           |        | 104.5         |           |        | 112.2         |           |        | 123.2         |           |        | 108.4         |           |        | 102.1         |           |        |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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20—MUSSOOREE (4 observations daily).

|                                                               | JANUARY. |           |           |           |        | FEBRUARY. |           |           |           |        | MARCH.   |           |           |           |        | APRIL.   |           |           |           |        | MAY.      |           |           |           |        | JUNE.    |           |           |           |        |
|---------------------------------------------------------------|----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|----------|-----------|-----------|-----------|--------|----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|----------|-----------|-----------|-----------|--------|
|                                                               | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                               | ...      | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | 8         | 2         | 1         | 9         | 20     | 6        | 2         | 1         | 6         | 15     |
| North-East . . . . .                                          | ...      | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | 6         | 3         | 4         | 5         | 18     | 6        | 4         | 1         | 4         | 15     |
| East . . . . .                                                | ...      | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...       | 2         | ...       | 2         | 4      | 1        | 2         | 1         | 1         | 5      |
| South-East . . . . .                                          | ...      | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | 1         | 1         | 2         | 1         | 5      | 3        | 3         | 2         | 3         | 11     |
| South . . . . .                                               | ...      | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | 3         | 13        | 11        | 3         | 30     | 9        | 13        | 17        | 9         | 48     |
| South-West . . . . .                                          | ...      | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | 4         | 2         | 7         | 2         | 15     | 4        | 2         | 5         | 6         | 17     |
| West . . . . .                                                | ...      | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | 1         | 2         | 1         | 2         | 6      | ...      | 3         | 3         | 1         | 7      |
| North-West . . . . .                                          | ...      | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | 2         | ...       | ...       | 2         | 4      | 1        | 1         | ...       | ...       | 2      |
| Calm . . . . .                                                | ...      | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    |
| Variable . . . . .                                            | ...      | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    |
| Resultant { Percentage .                                      | ...      |           |           |           |        | ...       |           |           |           |        | ...      |           |           |           |        | ...      |           |           |           |        | 9         |           |           |           |        | 34       |           |           |           |        |
| Direction .                                                   | ...      |           |           |           |        | ...       |           |           |           |        | ...      |           |           |           |        | ...      |           |           |           |        | S. 15° E. |           |           |           |        | S. 4° E. |           |           |           |        |
| Mean diurnal velocity of wind in miles .                      | ...      |           |           |           |        | ...       |           |           |           |        | ...      |           |           |           |        | ...      |           |           |           |        | 300'4     |           |           |           |        | 236'3    |           |           |           |        |
| Average Resultant { Percentage .                              | ...      |           |           |           |        | ...       |           |           |           |        | ...      |           |           |           |        | ...      |           |           |           |        | 11        |           |           |           |        | 27       |           |           |           |        |
| Direction .                                                   | ...      |           |           |           |        | ...       |           |           |           |        | ...      |           |           |           |        | ...      |           |           |           |        | S. 41° E. |           |           |           |        | S. 6° E. |           |           |           |        |
| 8-9 Years. Average diurnal velocity of wind in miles 9 years. | ...      |           |           |           |        | ...       |           |           |           |        | ...      |           |           |           |        | ...      |           |           |           |        | 297'6     |           |           |           |        | 262'1    |           |           |           |        |

|                                                                   | JULY.    |           |           |           |        | AUGUST.   |           |           |           |        | SEPTEMBER. |           |           |           |        | OCTOBER.  |           |           |           |        | NOVEMBER. |           |           |           |        | DECEMBER. |           |           |           |        |
|-------------------------------------------------------------------|----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|------------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|
|                                                                   | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.   | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                                   | 4        | 4         | 1         | 3         | 12     | 1         | ...       | ...       | 2         | 3      | 13         | 11        | ...       | 10        | 34     | 7         | 5         | 1         | 5         | 18     | 7         | 4         | ...       | 10        | 21     | 9         | 5         | ...       | 8         | 22     |
| North-East . . . . .                                              | 3        | 3         | 3         | ...       | 9      | 2         | 1         | 1         | 1         | 5      | 3          | 5         | ...       | 3         | 11     | 6         | 5         | ...       | 7         | 18     | 7         | 2         | 1         | 8         | 18     | 12        | 7         | 2         | 7         | 28     |
| East . . . . .                                                    | 1        | 3         | 1         | 2         | 7      | 2         | 3         | 1         | 1         | 7      | ...        | ...       | ...       | ...       | ...    | 2         | 2         | 1         | 1         | 6      | 2         | 1         | ...       | ...       | 3      | ...       | 4         | 1         | 2         | 7      |
| South-East . . . . .                                              | 6        | 8         | 3         | 3         | 20     | 6         | 3         | 1         | 2         | 12     | ...        | ...       | 1         | ...       | 1      | 3         | 6         | 6         | 1         | 16     | 8         | 11        | 11        | 4         | 34     | 3         | 5         | 3         | 5         | 16     |
| South . . . . .                                                   | 9        | 10        | 18        | 12        | 49     | 9         | 15        | 19        | 12        | 55     | 3          | 6         | 22        | 4         | 35     | 5         | 6         | 19        | 4         | 34     | 4         | 11        | 17        | 6         | 38     | 4         | 6         | 18        | 5         | 33     |
| South-West . . . . .                                              | 5        | 2         | 5         | 8         | 20     | 6         | 4         | 8         | 7         | 25     | 2          | 4         | 7         | 5         | 18     | 2         | 2         | 2         | 3         | 9      | 1         | 1         | 1         | 1         | 4      | 2         | ...       | 4         | 1         | 7      |
| West . . . . .                                                    | 2        | ...       | ...       | 2         | 4      | 3         | 4         | 1         | 4         | 12     | 4          | 1         | ...       | 6         | 11     | 1         | 1         | ...       | 3         | 5      | 1         | ...       | ...       | ...       | 1      | ...       | ...       | 2         | 1         | 3      |
| North-West . . . . .                                              | 1        | 1         | ...       | 1         | 3      | 1         | ...       | ...       | 2         | 3      | 5          | 3         | ...       | 2         | 10     | 3         | 1         | ...       | 5         | 9      | ...       | ...       | ...       | ...       | ...    | 1         | 3         | 1         | 2         | 7      |
| Calm . . . . .                                                    | ...      | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...        | ...       | ...       | ...       | ...    | ...       | 1         | ...       | ...       | 1      | ...       | ...       | ...       | 1         | 1      | ...       | ...       | ...       | ...       | ...    |
| Variable . . . . .                                                | ...      | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...        | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    |
| Resultant { Percentage .                                          | 46       |           |           |           |        | 60        |           |           |           |        | 19         |           |           |           |        | 16        |           |           |           |        | 40        |           |           |           |        | 21        |           |           |           |        |
| Direction .                                                       | S. 7° E. |           |           |           |        | S. 10° W. |           |           |           |        | N. 89° W.  |           |           |           |        | S. 40° E. |           |           |           |        | S. 49° E. |           |           |           |        | S. 84° E. |           |           |           |        |
| Mean diurnal velocity of wind in miles .                          | 199'5    |           |           |           |        | 191'2     |           |           |           |        | 188'0      |           |           |           |        | 185'5     |           |           |           |        | 206'5     |           |           |           |        | 237'1     |           |           |           |        |
| Average Resultant { Percentage .                                  | 29       |           |           |           |        | 30        |           |           |           |        | 20         |           |           |           |        | 8         |           |           |           |        | ?         |           |           |           |        | ?         |           |           |           |        |
| Direction .                                                       | S.       |           |           |           |        | S. 10° E. |           |           |           |        | S. 19° E.  |           |           |           |        | S. 58° E. |           |           |           |        | ?         |           |           |           |        | ?         |           |           |           |        |
| 7-10 Years. Average diurnal velocity of wind in miles 7-10 Years. | 213'1    |           |           |           |        | 200'8     |           |           |           |        | 199'3      |           |           |           |        | 208'4     |           |           |           |        | ?         |           |           |           |        | ?         |           |           |           |        |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

21.—DEHRA (4 observations daily).

|                                                               | JANUARY.        |           |           |           |        | FEBRUARY.       |           |           |           |        | MARCH.          |           |           |           |        | APRIL.          |           |           |           |        | MAY.            |           |           |           |        | JUNE.           |           |           |           |        |
|---------------------------------------------------------------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|
|                                                               | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . .                                                   | 2               | 5         | 8         | 2         | 17     | ...             | 2         | 2         | 1         | 5      | 5               | 4         | 8         | 7         | 24     | 1               | 1         | 1         | 1         | 4      | 2               | 1         | 4         | 4         | 11     | 4               | 2         | 3         | ...       | 9      |
| North-East . . .                                              | 4               | 4         | 7         | 2         | 17     | ...             | ...       | ...       | ...       | ...    | 2               | 3         | 2         | 4         | 11     | ...             | ...       | ...       | ...       | ...    | 1               | 1         | 3         | 1         | 6      | ...             | ...       | ...       | 2         | 2      |
| East . . .                                                    | 2               | 3         | 4         | 3         | 12     | ...             | ...       | ...       | ...       | ...    | 1               | 2         | 3         | 2         | 8      | ...             | 1         | ...       | ...       | 1      | 1               | 3         | ...       | ...       | 4      | 1               | 3         | 2         | ...       | 6      |
| South-East . . .                                              | 1               | 2         | 3         | 2         | 8      | ...             | ...       | ...       | ...       | ...    | ...             | 1         | ...       | 1         | 2      | 1               | ...       | 1         | ...       | 2      | ...             | 1         | 1         | 1         | 3      | 1               | 1         | 2         | ...       | 4      |
| South . . .                                                   | ...             | ...       | 1         | ...       | 1      | 2               | 1         | 4         | 2         | 9      | ...             | ...       | 2         | ...       | 2      | ...             | ...       | 2         | ...       | 2      | ...             | 2         | 2         | 2         | 6      | ...             | 3         | 5         | 1         | 9      |
| South-West . . .                                              | ...             | ...       | ...       | ...       | ...    | 1               | 5         | 5         | ...       | 11     | 1               | 1         | 4         | 3         | 9      | 2               | 3         | 4         | 1         | 10     | 3               | 4         | 11        | 2         | 20     | ...             | 1         | 3         | 1         | 5      |
| West . . .                                                    | ...             | ...       | ...       | ...       | ...    | 1               | 3         | 3         | 4         | 11     | 2               | 2         | 3         | ...       | 7      | 3               | 4         | 5         | 6         | 18     | 1               | 3         | 3         | 2         | 9      | 2               | 1         | 7         | 3         | 13     |
| North-West . . .                                              | ...             | ...       | ...       | 1         | 1      | 3               | 4         | 7         | 2         | 16     | 3               | ...       | 1         | 2         | 6      | 5               | 4         | 12        | 7         | 28     | ...             | 2         | 3         | ...       | 5      | 1               | 2         | 4         | 2         | 9      |
| Calm . . .                                                    | 22              | 17        | 8         | 21        | 68     | 21              | 13        | 7         | 19        | 60     | 17              | 18        | 8         | 12        | 55     | 18              | 17        | 5         | 15        | 55     | 23              | 14        | 4         | 19        | 60     | 21              | 17        | 4         | 21        | 63     |
| Variable . . .                                                | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Resultant { Percentage<br>Direction .                         | 30<br>N. 51° E. |           |           |           |        | 27<br>S. 89° W. |           |           |           |        | 21<br>N. 1° W.  |           |           |           |        | 37<br>N. 73° W. |           |           |           |        | 13<br>S. 78° W. |           |           |           |        | 11<br>N. 84° W. |           |           |           |        |
|                                                               | 16.4            |           |           |           |        | 19.7            |           |           |           |        | 25.5            |           |           |           |        | 24.4            |           |           |           |        | 25.2            |           |           |           |        | 20.8            |           |           |           |        |
| Mean diurnal velocity<br>of wind in miles .                   | 16.4            |           |           |           |        | 19.7            |           |           |           |        | 25.5            |           |           |           |        | 24.4            |           |           |           |        | 25.2            |           |           |           |        | 20.8            |           |           |           |        |
| Average Resultant { Percentage<br>Direction .<br>14-15 Years. | 17<br>S. 75° W. |           |           |           |        | 19<br>S. 85° W. |           |           |           |        | 25<br>N. 78° W. |           |           |           |        | 21<br>N. 79° W. |           |           |           |        | 17<br>S. 76° W. |           |           |           |        | 12<br>S. 66° W. |           |           |           |        |
|                                                               | 43.8            |           |           |           |        | 48.3            |           |           |           |        | 53.9            |           |           |           |        | 61.3            |           |           |           |        | 58.6            |           |           |           |        | 38.4            |           |           |           |        |
| Average diurnal velocity<br>of wind in miles<br>9-11 Years.   | 43.8            |           |           |           |        | 48.3            |           |           |           |        | 53.9            |           |           |           |        | 61.3            |           |           |           |        | 58.6            |           |           |           |        | 38.4            |           |           |           |        |

|                                                              | JULY.           |           |           |           |        | AUGUST.         |           |           |           |        | SEPTEMBER.      |           |           |           |        | OCTOBER.        |           |           |           |        | NOVEMBER.       |           |           |           |        | DECEMBER.       |           |           |           |        |
|--------------------------------------------------------------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|
|                                                              | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. |
| North. . .                                                   | 1               | 1         | ...       | ...       | 2      | 1               | 1         | 1         | ...       | 3      | 5               | 1         | 2         | 2         | 10     | 5               | 7         | 10        | 8         | 30     | 3               | 4         | 3         | 3         | 13     | 3               | 3         | ...       | 1         | 7      |
| North-East . . .                                             | 3               | ...       | 1         | 1         | 5      | 1               | 1         | 1         | 1         | 4      | 1               | 2         | ...       | ...       | 3      | 12              | 12        | ...       | 10        | 34     | 1               | ...       | ...       | ...       | 1      | 1               | 2         | ...       | ...       | 3      |
| East . . .                                                   | 1               | ...       | 1         | ...       | 2      | 2               | 1         | 2         | ...       | 5      | ...             | ...       | ...       | 1         | 1      | 2               | 2         | ...       | 1         | 5      | 3               | 4         | 1         | ...       | 8      | 3               | 3         | 3         | 4         | 13     |
| South-East . . .                                             | ...             | ...       | ...       | ...       | ...    | 1               | 2         | 1         | 1         | 5      | 2               | 2         | ...       | 2         | 6      | 3               | 3         | 1         | 2         | 9      | 9               | 6         | 4         | 9         | 28     | 2               | 2         | 1         | 2         | 7      |
| South . . .                                                  | ...             | 2         | 5         | 1         | 8      | 2               | 4         | 5         | 1         | 12     | ...             | 3         | 3         | ...       | 6      | 1               | 1         | 3         | 3         | 8      | 1               | 2         | 9         | 6         | 18     | 6               | 4         | 6         | 4         | 20     |
| South-West . . .                                             | 1               | 3         | 3         | ...       | 7      | ...             | 1         | 4         | 2         | 7      | ...             | 4         | 5         | 2         | 11     | ...             | 2         | 1         | 1         | 4      | 8               | 4         | 9         | 7         | 28     | 5               | 5         | 8         | 7         | 25     |
| West . . .                                                   | ...             | 2         | 6         | ...       | 8      | ...             | 3         | 2         | ...       | 5      | ...             | 1         | 4         | 1         | 6      | 1               | 1         | 2         | 1         | 5      | 1               | 2         | 1         | 2         | 6      | 9               | 7         | 9         | 10        | 35     |
| North-West . . .                                             | ...             | ...       | 3         | ...       | 3      | ...             | ...       | 1         | ...       | 1      | 3               | 2         | 6         | 4         | 15     | 2               | 1         | 10        | 2         | 15     | 2               | 1         | 2         | 2         | 7      | 1               | 2         | 2         | 1         | 6      |
| Calm . . .                                                   | 25              | 23        | 12        | 29        | 89     | 23              | 17        | 14        | 25        | 79     | 15              | 11        | 6         | 14        | 46     | 3               | ...       | 1         | 1         | 5      | 1               | 5         | ...       | ...       | 6      | 1               | 3         | 2         | 2         | 8      |
| Variable . . .                                               | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Resultant { Percentage<br>Direction .                        | 9<br>S. 61° W.  |           |           |           |        | 12<br>S. 3° E.  |           |           |           |        | 17<br>N. 75° W. |           |           |           |        | 44<br>N. 20° E. |           |           |           |        | 34<br>S. 3° W.  |           |           |           |        | 38<br>S. 52° W. |           |           |           |        |
|                                                              | 10.0            |           |           |           |        | 10.1            |           |           |           |        | 18.7            |           |           |           |        | 52.1            |           |           |           |        | 44.2            |           |           |           |        | 44.6            |           |           |           |        |
| Mean diurnal velocity<br>of wind in miles .                  | 10.0            |           |           |           |        | 10.1            |           |           |           |        | 18.7            |           |           |           |        | 52.1            |           |           |           |        | 44.2            |           |           |           |        | 44.6            |           |           |           |        |
| Average Resultant { Percentage<br>Direction .<br>15 Years.   | 10<br>S. 37° W. |           |           |           |        | 10<br>S. 43° W. |           |           |           |        | 18<br>N. 80° W. |           |           |           |        | 19<br>N. 38° W. |           |           |           |        | 18<br>N. 76° W. |           |           |           |        | 16<br>N. 73° W. |           |           |           |        |
|                                                              | 29.5            |           |           |           |        | 26.4            |           |           |           |        | 26.9            |           |           |           |        | 39.6            |           |           |           |        | 42.3            |           |           |           |        | 42.0            |           |           |           |        |
| Average diurnal velocity<br>of wind in miles<br>11-12 Years. | 29.5            |           |           |           |        | 26.4            |           |           |           |        | 26.9            |           |           |           |        | 39.6            |           |           |           |        | 42.3            |           |           |           |        | 42.0            |           |           |           |        |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 22.—ROORKEE (4 observations daily).

|                                                              | JANUARY.        |           |           |           |        | FEBRUARY.       |           |           |           |        | MARCH.          |           |           |           |        | APRIL.          |           |           |           |        | MAY.            |           |           |           |        | JUNE.          |           |           |           |        |
|--------------------------------------------------------------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|----------------|-----------|-----------|-----------|--------|
|                                                              | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.       | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                              | 1               | 1         | ...       | 1         | 3      | 1               | ...       | 2         | ...       | 3      | 1               | 2         | 3         | ...       | 6      | 1               | ...       | ...       | 1         | 2      | 1               | 1         | ...       | ...       | 2      | ...            | ...       | 1         | 1         | 2      |
| North-East . . . . .                                         | 1               | ...       | 1         | 1         | 3      | ...             | ...       | ...       | ...       | ...    | 1               | ...       | 1         | 2         | 4      | ...             | 1         | 1         | 1         | 3      | 2               | ...       | 3         | 2         | 7      | 1              | ...       | ...       | 1         | 2      |
| East . . . . .                                               | ...             | ...       | 2         | 1         | 3      | ...             | ...       | ...       | ...       | ...    | 3               | 3         | 1         | 2         | 9      | ...             | 2         | ...       | 1         | 3      | 3               | 5         | 1         | 3         | 12     | ...            | ...       | 1         | ...       | 1      |
| South-East . . . . .                                         | 3               | 1         | 1         | 3         | 8      | 1               | 2         | 1         | 1         | 5      | 2               | 5         | 7         | 3         | 17     | ...             | 5         | 2         | 1         | 8      | 6               | 13        | 8         | 3         | 30     | 3              | 7         | 4         | 2         | 16     |
| South . . . . .                                              | ...             | ...       | 2         | ...       | 2      | 1               | 1         | ...       | ...       | 2      | 2               | 1         | 3         | 3         | 9      | 1               | 3         | 3         | ...       | 7      | 1               | 4         | 4         | 1         | 10     | 2              | 4         | 3         | 3         | 12     |
| South-West . . . . .                                         | 1               | 3         | 4         | 1         | 9      | ...             | ...       | ...       | ...       | 2      | 2               | 1         | 1         | ...       | 4      | 1               | 2         | 2         | ...       | 5      | ...             | ...       | 4         | ...       | 4      | 1              | 1         | 5         | 1         | 8      |
| West . . . . .                                               | 2               | 2         | 5         | 2         | 11     | 3               | 3         | 3         | 3         | 12     | 1               | 3         | 5         | 3         | 12     | 3               | 3         | 7         | 4         | 17     | 1               | 2         | 7         | 2         | 12     | ...            | 1         | ...       | 2         | 3      |
| North-West . . . . .                                         | 4               | 4         | 6         | 2         | 16     | 16              | 18        | 18        | 16        | 68     | 4               | 9         | 8         | 9         | 30     | 9               | 10        | 14        | 10        | 43     | 1               | 2         | 4         | 4         | 11     | ...            | 2         | 7         | 1         | 10     |
| Calm . . . . .                                               | 17              | 18        | 8         | 19        | 62     | 6               | 4         | 3         | 6         | 19     | 15              | 7         | 1         | 8         | 31     | 14              | 2         | 1         | 12        | 29     | 15              | 4         | ...       | 15        | 34     | 22             | 14        | 8         | 18        | 62     |
| Variable . . . . .                                           | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...            | ...       | ...       | ...       | ...    |
| Resultant { Percentage<br>Direction .                        | 15<br>N. 82° W. |           |           |           |        | 66<br>N. 53° W. |           |           |           |        | 11<br>N. 63° W. |           |           |           |        | 38<br>N. 65° W. |           |           |           |        | 20<br>S. 39° E. |           |           |           |        | 16<br>S. 6° W. |           |           |           |        |
| Mean diurnal velocity of<br>wind in miles . . . . .          | 34.7            |           |           |           |        | 88.2            |           |           |           |        | 64.5            |           |           |           |        | 81.8            |           |           |           |        | 75.2            |           |           |           |        | 38.9           |           |           |           |        |
| Average { Percentage<br>Resultant { Direction .<br>15 Years. | 16<br>N. 72° W. |           |           |           |        | 23<br>N. 52° W. |           |           |           |        | 23<br>N. 58° W. |           |           |           |        | 10<br>N. 73° W. |           |           |           |        | 6<br>S. 68° W.  |           |           |           |        | 11<br>S. 4° E. |           |           |           |        |
| Average diurnal velocity<br>of wind in miles<br>15-16 Years. | 52.6            |           |           |           |        | 68.1            |           |           |           |        | 69.5            |           |           |           |        | 76.0            |           |           |           |        | 87.9            |           |           |           |        | 94.4           |           |           |           |        |

|                                                              | JULY.           |           |           |           |        | AUGUST.         |           |           |           |        | SEPTEMBER.     |           |           |           |        | OCTOBER.        |           |           |           |        | NOVEMBER.       |           |           |           |        | DECEMBER.       |           |           |           |        |
|--------------------------------------------------------------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|
|                                                              | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.       | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                              | 1               | 1         | 2         | 1         | 5      | 1               | 1         | 1         | ...       | 3      | ...            | ...       | 1         | ...       | 1      | ...             | 1         | ...       | ...       | 1      | ...             | 1         | 1         | ...       | 2      | 1               | 2         | 3         | 1         | 7      |
| North-East . . . . .                                         | 2               | 3         | 1         | 1         | 7      | ...             | 1         | ...       | ...       | 1      | ...            | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | 1         | 1         | 1      | 1               | ...       | ...       | ...       | 1      |
| East . . . . .                                               | ...             | 2         | 2         | ...       | 4      | ...             | ...       | 1         | ...       | 1      | ...            | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| South-East . . . . .                                         | 4               | 13        | 12        | 3         | 32     | 3               | 8         | 4         | 3         | 18     | 3              | 10        | 7         | 4         | 24     | 1               | 4         | 1         | 3         | 9      | 1               | 4         | 2         | ...       | 7      | 1               | 2         | 1         | 1         | 5      |
| South . . . . .                                              | 4               | 5         | 6         | 4         | 19     | 5               | 4         | 3         | 2         | 14     | 2              | 6         | 8         | 4         | 20     | 4               | 11        | 9         | 2         | 26     | 1               | 8         | 5         | 1         | 15     | 3               | 2         | 4         | 1         | 10     |
| South-West . . . . .                                         | 1               | ...       | ...       | ...       | 1      | 2               | 1         | 3         | 1         | 7      | ...            | ...       | 1         | ...       | 1      | 1               | 1         | 1         | ...       | 3      | ...             | 1         | 3         | 1         | 5      | 1               | 1         | ...       | ...       | 2      |
| West . . . . .                                               | ...             | 2         | 3         | 1         | 6      | ...             | 3         | 6         | 1         | 10     | ...            | 2         | 2         | ...       | 4      | 1               | 3         | 4         | 1         | 9      | ...             | 1         | ...       | ...       | 1      | 1               | 1         | 4         | ...       | 6      |
| North-West . . . . .                                         | 1               | 2         | 2         | 1         | 6      | 2               | 4         | 6         | 3         | 15     | 2              | 5         | 8         | ...       | 15     | 1               | 2         | 6         | 1         | 10     | ...             | 3         | 5         | 4         | 12     | 4               | 5         | 9         | 6         | 24     |
| Calm . . . . .                                               | 17              | 2         | 3         | 19        | 41     | 18              | 7         | 6         | 20        | 51     | 23             | 7         | 3         | 22        | 55     | 23              | 9         | 10        | 24        | 66     | 28              | 12        | 14        | 23        | 77     | 19              | 18        | 10        | 22        | 69     |
| Variable . . . . .                                           | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...            | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Resultant { Percentage<br>Direction .                        | 29<br>S. 36° E. |           |           |           |        | 17<br>S. 33° W. |           |           |           |        | 22<br>S. 4° E. |           |           |           |        | 23<br>S. 24° W. |           |           |           |        | 12<br>S. 31° W. |           |           |           |        | 18<br>N. 64° W. |           |           |           |        |
| Mean diurnal velocity of<br>wind in miles . . . . .          | 54.5            |           |           |           |        | 36.8            |           |           |           |        | 35.3           |           |           |           |        | 19.9            |           |           |           |        | 16.1            |           |           |           |        | 29.5            |           |           |           |        |
| Average { Percentage<br>Resultant { Direction .<br>15 Years. | 33<br>S. 39° E. |           |           |           |        | 27<br>S. 36° E. |           |           |           |        | 9<br>S. 6° E.  |           |           |           |        | 11<br>S. 27° E. |           |           |           |        | 28<br>S. 36° W. |           |           |           |        | 11<br>N. 82° W. |           |           |           |        |
| Average diurnal velocity<br>of wind in miles<br>15-16 Years. | 71.6            |           |           |           |        | 60.9            |           |           |           |        | 49.9           |           |           |           |        | 34.1            |           |           |           |        | 28.4            |           |           |           |        | 32.7            |           |           |           |        |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 23.—RANIKHET (2 observations daily).

|                                                                              | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |    |
|------------------------------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|----|
|                                                                              | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |    |
| North . . .                                                                  | 2         | 2         | 4      | 2         | 1         | 3      | 1         | 1         | 2      | 1         | 1         | 2      | ...       | ...       | ...    | ...       | 1         | 1      | ...       | 1         | 1      | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | 1         | ...    | 1         |     |    |
| North-East . . .                                                             | ...       | ...       | ...    | ...       | ...       | ...    | 3         | ...       | 3      | ...       | ...       | ...    | 1         | ...       | 1      | 1         | 2         | 3      | 1         | ...       | 1      | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |     |    |
| East . . .                                                                   | 5         | 2         | 7      | 7         | 5         | 12     | 9         | 9         | 18     | 3         | ...       | 3      | 2         | ...       | 2      | 3         | 2         | 5      | 1         | ...       | 1      | ...       | ...       | ...    | ...        | ...       | 1      | ...       | 1         | ...    | ...       | 3         | 3      | 6         |     |    |
| South-East . . .                                                             | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | 2         | 2      | 1         | 2         | 3      | 1         | ...       | 1      | ...        | ...       | 2      | ...       | 2         | 1      | ...       | 1         | 1      | 2         |     |    |
| South . . .                                                                  | ...       | 1         | 1      | 1         | ...       | 1      | 1         | ...       | 1      | 2         | ...       | 2      | ...       | ...       | ...    | 1         | 2         | 3      | 1         | ...       | 1      | 1         | ...       | 1      | ...        | ...       | ...    | ...       | ...       | ...    | 3         | ...       | 3      |           |     |    |
| South-West . . .                                                             | 1         | 6         | 7      | ...       | 7         | 7      | 7         | 16        | 23     | 12        | 24        | 36     | 9         | 24        | 33     | 7         | 14        | 21     | 4         | 9         | 13     | 6         | 10        | 16     | ...        | 14        | 14     | 1         | 10        | 11     | 3         | 12        | 15     | 3         | 14  | 17 |
| West . . .                                                                   | 3         | 7         | 10     | 7         | 7         | 14     | ...       | 1         | 1      | 4         | 5         | 9      | ...       | 1         | 1      | 2         | 1         | 3      | 1         | 3         | 4      | 2         | 2         | 4      | 3          | 2         | 5      | 1         | 6         | 7      | 1         | 1         | 2      | 1         | ... | 1  |
| North-West . . .                                                             | 1         | ...       | 1      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 2         | 2         | 4      | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       |     |    |
| Calm . . .                                                                   | 19        | 13        | 32     | 11        | 7         | 18     | 9         | 3         | 12     | 8         | ...       | 8      | 18        | 5         | 23     | 14        | 4         | 18     | 22        | 16        | 38     | 21        | 19        | 40     | 27         | 14        | 41     | 26        | 15        | 41     | 25        | 17        | 42     | 19        | 13  | 32 |
| Variable . . .                                                               | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       |     |    |
| Resultant {                                                                  | 14        |           |        | 14        |           |        | 22        |           |        | 67        |           |        | 52        |           |        | 30        |           |        | 23        |           |        | 32        |           |        | 29         |           |        | 25        |           |        | 27        |           |        | 26        |     |    |
|                                                                              | S. 82° W. |           |        | S. 74° W. |           |        | S. 12° E. |           |        | S. 51° W. |           |        | S. 44° W. |           |        | S. 42° W. |           |        | S. 41° W. |           |        | S. 48° W. |           |        | S. 59° W.  |           |        | S. 53° W. |           |        | S. 46° W. |           |        | S. 20° W. |     |    |
| Mean diurnal velocity of<br>of wind in miles .                               | 30.5      |           |        | 72.4      |           |        | 82.4      |           |        | 53.5      |           |        | 47.6      |           |        | 23.1      |           |        | 23.0      |           |        | 30.0      |           |        | 26.0       |           |        | 11.7      |           |        | 10.2      |           |        | 19.1      |     |    |
| Average Resultant {                                                          | 17        |           |        | 24        |           |        | 44        |           |        | 47        |           |        | 46        |           |        | 49        |           |        | 25        |           |        | 33        |           |        | 39         |           |        | 55        |           |        | 35        |           |        | 22        |     |    |
|                                                                              | S. 70° W. |           |        | S. 55° W. |           |        | S. 56° W. |           |        | S. 62° W. |           |        | S. 63° W. |           |        | S. 65° W. |           |        | S. 65° W. |           |        | S. 59° W. |           |        | S. 52° W.  |           |        | S. 54° W. |           |        | S. 52° W. |           |        | S. 54° W. |     |    |
| Average diurnal velocity of<br>wind in miles .<br>14-15 Years.<br>8-9 Years. | 35.3      |           |        | 51.1      |           |        | 65.1      |           |        | 75.1      |           |        | 79.0      |           |        | 77.2      |           |        | 52.6      |           |        | 49.9      |           |        | 47.8       |           |        | 41.0      |           |        | 25.8      |           |        | 28.4      |     |    |

## 24.—PITHORAGARH (2 observations daily).

|                                                            | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |    |
|------------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|----|
|                                                            | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |    |
| North . . .                                                | 4         | ...       | 4      | ...       | 1         | 1      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | 1         | ...    | 1          | 2         | ...    | 2         | ...       | ...    | ...       | ...       | 1      | 1         |     |    |
| North-East . . .                                           | 11        | ...       | 11     | 8         | 2         | 10     | 8         | 2         | 10     | 4         | 2         | 6      | 2         | 3         | 5      | ...       | 1         | 1      | 1         | ...       | 1      | 2         | ...       | 2      | 3          | 1         | 4      | 3         | 2         | 5      | 6         | ...       | 6      | 8         | 4   | 12 |
| East . . .                                                 | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | 1         | ...    | 1         | ...       | ...    | ...       | ...       | ...    | ...       |     |    |
| South-East . . .                                           | 3         | 4         | 7      | 3         | 6         | 9      | 1         | 9         | 10     | 6         | 17        | 23     | 6         | 13        | 19     | 3         | 9         | 12     | 7         | 13        | 20     | 4         | 14        | 18     | 8          | 18        | 26     | 8         | 13        | 21     | 12        | 10        | 22     | 4         | 11  | 15 |
| South . . .                                                | 1         | 2         | 3      | ...       | 3         | 3      | ...       | 2         | 2      | 1         | 3         | 4      | ...       | 2         | 2      | 1         | ...       | 1      | ...       | ...       | ...    | 2         | 4         | 6      | 3          | 3         | 6      | 1         | 3         | 4      | ...       | 11        | 11     | ...       | 2   | 2  |
| South-West . . .                                           | ...       | 7         | 7      | ...       | 8         | 8      | ...       | 9         | 9      | ...       | 5         | 5      | ...       | 5         | 5      | ...       | 1         | 1      | ...       | 1         | 1      | ...       | ...       | ...    | 3          | 3         | ...    | 10        | 10        | ...    | 3         | 3         | ...    | 4         | 4   |    |
| West . . .                                                 | ...       | ...       | ...    | 1         | 1         | 2      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | 1      | ...       | 1   |    |
| North-West . . .                                           | 1         | 2         | 3      | ...       | 1         | 1      | ...       | 1         | 1      | ...       | 1         | 1      | ...       | 1         | 1      | 1         | 2         | 3      | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | 1      | 1         |     |    |
| Calm . . .                                                 | 11        | 16        | 27     | 16        | 6         | 22     | 21        | 7         | 28     | 19        | 2         | 21     | 23        | 6         | 29     | 25        | 17        | 42     | 23        | 17        | 40     | 23        | 13        | 36     | 15         | 5         | 20     | 16        | 3         | 19     | 12        | 6         | 18     | 18        | 8   | 26 |
| Variable . . .                                             | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |
| Resultant {                                                | 9         |           |        | 14        |           |        | 15        |           |        | 41        |           |        | 30        |           |        | 16        |           |        | 32        |           |        | 36        |           |        | 45         |           |        | 38        |           |        | 50        |           |        | 25        |     |    |
|                                                            | N. 80° E. |           |        | S. 39° E. |           |        | S. 42° E. |           |        | S. 41° E. |           |        | S. 43° E. |           |        | S. 41° E. |           |        | S. 45° E. |           |        | S. 39° E. |           |        | S. 34° E.  |           |        | S. 31° E. |           |        | S. 36° E. |           |        | S. 70° E. |     |    |
| Mean diurnal velocity of wind in miles . . .               | 73.0      |           |        | 84.4      |           |        | 91.5      |           |        | 104.1     |           |        | 92.9      |           |        | 76.7      |           |        | 67.2      |           |        | 71.3      |           |        | 68.4       |           |        | 71.0      |           |        | ?         |           |        | 52.6      |     |    |
| Average Resultant {                                        | 11        |           |        | 16        |           |        | 25        |           |        | 34        |           |        | 34        |           |        | 26        |           |        | 20        |           |        | 27        |           |        | 36         |           |        | 34        |           |        | 38        |           |        | 28        |     |    |
|                                                            | S. 37° E. |           |        | S. 33° E. |           |        | S. 33° E. |           |        | S. 26° E. |           |        | S. 15° E. |           |        | S. 20° E. |           |        | S. 28° E. |           |        | S. 13° E. |           |        | S. 15° E.  |           |        | S. 20° E. |           |        | S. 20° E. |           |        | S. 46° E. |     |    |
| Average diurnal velocity of wind in miles . . . 5.6 Years. | 47.3      |           |        | 57.2      |           |        | 66.2      |           |        | 83.5      |           |        | 87.2      |           |        | 69.9      |           |        | 52.9      |           |        | 53.4      |           |        | 64.7       |           |        | 57.4      |           |        | 37.7      |           |        | 47.8      |     |    |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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## 25.—MEERUT (2 observations daily).

|                                                     | JANUARY.   |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |     |  |  |
|-----------------------------------------------------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|-----|--|--|
|                                                     | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |     |  |  |
| North . . . . .                                     | 2          | 2         | 4      | 2         | 1         | 3      | 4         | ...       | 4      | ...       | ...       | ...    | ...       | 3         | 3      | 1         | 1         | 2      | ...       | 1         | 1      | 1         | 1         | 1      | 2          | 1         | 3      | 4         | 5         | 3      | 1         | 1         | 2      | 3         | ... | ... | ... |  |  |
| North-East . . . . .                                | ...        | 1         | 1      | 1         | ...       | 1      | 3         | 2         | 5      | 4         | 1         | 5      | ...       | 2         | 2      | 2         | 4         | 6      | ...       | ...       | ...    | ...       | 1         | 1      | ...        | 1         | 1      | ...       | 1         | 2      | ...       | 2         | 2      | ...       | 2   |     |     |  |  |
| East . . . . .                                      | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 3         | ...       | 3      | ...       | ...       | ...    | 1         | ...       | 1      | ...        | ...       | ...    | 1         | ...       | 1      | 1         | ...       | 1      | ...       | ... |     |     |  |  |
| South-East . . . . .                                | 7          | 5         | 12     | 3         | 2         | 5      | 6         | 9         | 15     | 7         | 2         | 9      | 19        | 10        | 29     | 11        | 8         | 19     | 17        | 14        | 31     | 9         | 10        | 19     | 7          | 4         | 11     | 7         | 3         | 10     | 5         | 2         | 7      | 6         | 5   | 11  |     |  |  |
| South . . . . .                                     | 2          | ...       | 2      | ...       | ...       | ...    | 3         | 1         | 4      | ...       | ...       | ...    | 2         | 2         | 4      | ...       | ...       | ...    | 1         | 3         | 4      | 3         | 1         | 4      | 1          | ...       | 1      | 3         | 1         | 4      | ...       | ...       | ...    | ...       | ... |     |     |  |  |
| South-West . . . . .                                | 2          | 2         | 4      | ...       | ...       | ...    | 1         | ...       | 1      | 2         | 2         | 4      | 1         | 2         | 3      | ...       | 1         | 1      | 2         | 1         | 3      | 2         | 2         | 4      | ...        | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       |     |     |     |  |  |
| West . . . . .                                      | 2          | 1         | 3      | 2         | ...       | 2      | 1         | 2         | 3      | ...       | 1         | 1      | ...       | ...       | ...    | 1         | ...       | 1      | 2         | 1         | 3      | 3         | 3         | 6      | 1          | ...       | 1      | ...       | ...       | 2      | ...       | 2         | 2      | ...       | 2   |     |     |  |  |
| North-West . . . . .                                | 11         | 15        | 26     | 19        | 24        | 43     | 10        | 16        | 26     | 17        | 24        | 41     | 6         | 11        | 17     | 10        | 13        | 23     | 6         | 5         | 11     | 11        | 9         | 20     | 20         | 18        | 38     | 5         | 7         | 12     | 9         | 12        | 21     | 17        | 18  | 35  |     |  |  |
| Calm . . . . .                                      | 5          | 5         | 10     | 1         | 1         | 2      | 3         | 1         | 4      | ...       | ...       | ...    | 3         | 1         | 4      | 2         | 3         | 5      | 3         | 6         | 9      | 1         | 4         | 5      | ...        | 3         | 3      | 9         | 17        | 26     | 10        | 14        | 24     | 4         | 8   | 12  |     |  |  |
| Variable . . . . .                                  | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |     |     |  |  |
| Resultant {                                         | Percentage |           |        | 74        |           |        | 21        |           |        | 55        |           |        | 21        |           |        | 15        |           |        | 34        |           |        | 14        |           |        | 50         |           |        | 10        |           |        | 29        |           |        | 41        |     |     |     |  |  |
|                                                     | Direction. |           |        | N. 43° W. |           |        | N. 37° W. |           |        | N. 44° W. |           |        | S. 37° E. |           |        | N. 18° E. |           |        | S. 25° E. |           |        | S. 66° W. |           |        | N. 42° W.  |           |        | N. 3° E.  |           |        | N. 33° W. |           |        | N. 44° W. |     |     |     |  |  |
| Mean diurnal velocity of wind in miles . . . . .    | 80.0       |           |        | 107.4     |           |        | 74.5      |           |        | 82.8      |           |        | 72.8      |           |        | 74.8      |           |        | 60.6      |           |        | 51.2      |           |        | 56.7       |           |        | 29.4      |           |        | 23.1      |           |        | 40.2      |     |     |     |  |  |
| Average {                                           | Percentage |           |        | 52        |           |        | 44        |           |        | 44        |           |        | 24        |           |        | 22        |           |        | 23        |           |        | 5         |           |        | 17         |           |        | 40        |           |        | 46        |           |        | 50        |     |     |     |  |  |
|                                                     | Direction. |           |        | N. 54° W. |           |        | N. 51° W. |           |        | N. 53° W. |           |        | N. 32° W. |           |        | N. 26° W. |           |        | S. 86° E. |           |        | N. 80° E. |           |        | N. 34° W.  |           |        | N. 48° W. |           |        | N. 50° W. |           |        | N. 52° W. |     |     |     |  |  |
| 15 Years.                                           |            |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |     |     |  |  |
| Average diurnal velocity of wind in miles . . . . . | 50.8       |           |        | 61.8      |           |        | 63.2      |           |        | 57.4      |           |        | 63.1      |           |        | 62.5      |           |        | 55.9      |           |        | 52.7      |           |        | 50.9       |           |        | 34.5      |           |        | 31.0      |           |        | 39.5      |     |     |     |  |  |
| 12-14 Years.                                        |            |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |     |     |  |  |

## 26.—BAREILLY (2 observations daily).

|                                                         | JANUARY.   |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |    |  |  |  |
|---------------------------------------------------------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|----|--|--|--|
|                                                         | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |    |  |  |  |
| North . . . . .                                         | 4          | ...       | 4      | 1         | 1         | 2      | 1         | 1         | 2      | 3         | 4         | 7      | ...       | 2         | 2      | ...       | 1         | 1      | ...       | ...       | ...    | 1         | ...       | 1      | 1          | ...       | 1      | 1         | ...       | 1      | 2         | 1         | 3      | 1         | 1   | 2  |  |  |  |
| North-East . . . . .                                    | 2          | 1         | 3      | ...       | ...       | ...    | 2         | 4         | 6      | 3         | 1         | 4      | 4         | 5         | 9      | 7         | 1         | 8      | ...       | 2         | 2      | 5         | 5         | 10     | 5          | 3         | 8      | 8         | 5         | 13     | 8         | 2         | 10     | 11        | 3   | 14 |  |  |  |
| East . . . . .                                          | 2          | ...       | 2      | ...       | ...       | ...    | 1         | 1         | 2      | ...       | ...       | ...    | ...       | ...       | ...    | 3         | 1         | 4      | 1         | 1         | 2      | 2         | 1         | 3      | ...        | ...       | ...    | 1         | 1         | 2      | 1         | ...       | 1      | ...       | ... |    |  |  |  |
| South-East . . . . .                                    | 5          | 6         | 11     | 3         | 2         | 5      | 8         | 2         | 10     | 10        | 2         | 12     | 18        | 9         | 27     | 8         | 9         | 17     | 21        | 14        | 35     | 11        | 10        | 21     | 10         | 3         | 13     | 11        | 5         | 16     | 5         | 2         | 7      | 5         | 8   | 13 |  |  |  |
| South. . . . .                                          | 1          | 1         | 2      | ...       | ...       | ...    | ...       | ...       | ...    | 1         | 1         | 2      | 2         | 1         | 3      | ...       | 1         | 1      | ...       | 2         | 2      | ...       | ...       | ...    | ...        | 1         | 1      | ...       | ...       | ...    | 1         | ...       | 1      | ...       | ... |    |  |  |  |
| South-West . . . . .                                    | 2          | 5         | 7      | 2         | 2         | 4      | 5         | 11        | 16     | 1         | 3         | 4      | 3         | 7         | 10     | 4         | 4         | 8      | 7         | 4         | 11     | 5         | 7         | 12     | 5          | 8         | 13     | 5         | 4         | 9      | 2         | 4         | 6      | 2         | 7   | 9  |  |  |  |
| West . . . . .                                          | 1          | 4         | 5      | 1         | ...       | 1      | 2         | 2         | 4      | ...       | 1         | 1      | ...       | 1         | 1      | ...       | 1         | 1      | ...       | 1         | 1      | ...       | 3         | 3      | 1          | 3         | 4      | 1         | 1         | 2      | 1         | 1         | 2      | 3         | 2   | 5  |  |  |  |
| North-West . . . . .                                    | 13         | 14        | 27     | 21        | 22        | 43     | 11        | 10        | 21     | 12        | 15        | 27     | 4         | 6         | 10     | 8         | 12        | 20     | 2         | 7         | 9      | 7         | 5         | 12     | 8          | 12        | 20     | 4         | 14        | 18     | 7         | 17        | 24     | 9         | 10  | 19 |  |  |  |
| Calm . . . . .                                          | 1          | ...       | 1      | ...       | 1         | 1      | 1         | ...       | 1      | ...       | 3         | 3      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | 1         | 1         | 3      | 3         | 6         | ...    | ...       | ... |    |  |  |  |
| Variable . . . . .                                      | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |  |  |  |
| Resultant {                                             | Percentage |           |        | 72        |           |        | 28        |           |        | 32        |           |        | 28        |           |        | 4         |           |        | 48        |           |        | 14        |           |        | 21         |           |        | 9         |           |        | 33        |           |        | 15        |     |    |  |  |  |
|                                                         | Direction. |           |        | N. 50° W. |           |        | N. 81° W. |           |        | N. 37° W. |           |        | S. 37° E. |           |        | N. 23° E. |           |        | S. 26° E. |           |        | S. 36° E. |           |        | N. 84° W.  |           |        | N. 15° E. |           |        | N. 31° W. |           |        | N. 30° W. |     |    |  |  |  |
| Mean diurnal velocity of wind in miles.                 | 35.0       |           |        | 68.1      |           |        | 43.6      |           |        | 49.4      |           |        | 98.8      |           |        | 73.4      |           |        | 67.0      |           |        | 68.4      |           |        | 45.4       |           |        | 30.7      |           |        | 30.9      |           |        | 53.6      |     |    |  |  |  |
| Average {                                               | Percentage |           |        | 43        |           |        | 44        |           |        | 38        |           |        | 2         |           |        | 15        |           |        | 31        |           |        | 16        |           |        | 8          |           |        | 23        |           |        | 42        |           |        | 45        |     |    |  |  |  |
|                                                         | Direction. |           |        | N. 62° W. |           |        | N. 55° W. |           |        | N. 57° W. |           |        | N. 66° W. |           |        | S. 84° E. |           |        | S. 61° E. |           |        | S. 56° E. |           |        | N. 75° E.  |           |        | N. 59° W. |           |        | N. 56° W. |           |        | N. 60° W. |     |    |  |  |  |
| 15 Years.                                               |            |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |  |  |  |
| Average diurnal velocity of wind in miles. 14-16 Years. | 66.1       |           |        | 96.1      |           |        | 101.5     |           |        | 107.9     |           |        | 123.6     |           |        | 117.2     |           |        | 97.4      |           |        | 84.7      |           |        | 71.5       |           |        | 45.9      |           |        | 41.8      |           |        | 51.5      |     |    |  |  |  |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

27.—AGRA (2 observations daily).

|                                                     | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        |
|-----------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|
|                                                     | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |
| North . . . . .                                     | 1         | 4         | 5      | 3         | 2         | 5      | 2         | 4         | 6      | 2         | 2         | 4      | 1         | 6         | 7      | 2         | 4         | 6      |
| North-East . . . . .                                | 1         | 3         | 4      | ...       | ...       | ...    | ...       | 4         | 4      | ...       | ...       | ...    | 1         | 2         | 3      | 3         | 5         | 8      |
| East . . . . .                                      | 6         | 4         | 10     | 1         | 1         | 2      | 9         | 6         | 15     | 3         | 1         | 4      | 8         | 4         | 12     | 6         | 3         | 9      |
| South-East . . . . .                                | 2         | 1         | 3      | 1         | 1         | 2      | 3         | 1         | 4      | 1         | ...       | 1      | 3         | 2         | 5      | 1         | 2         | 3      |
| South . . . . .                                     | 1         | ...       | 1      | ...       | ...       | ...    | 2         | 1         | 3      | ...       | 1         | 1      | 6         | 2         | 8      | 1         | ...       | 1      |
| South-West . . . . .                                | 1         | 3         | 4      | 1         | ...       | 1      | 3         | ...       | 3      | 4         | ...       | 4      | 3         | 1         | 4      | 2         | ...       | 2      |
| West . . . . .                                      | 10        | 10        | 20     | 14        | 9         | 23     | 9         | 6         | 15     | 15        | 18        | 33     | 4         | 10        | 14     | 11        | 8         | 19     |
| North-West . . . . .                                | 5         | 4         | 9      | 8         | 15        | 23     | 2         | 9         | 11     | 3         | 8         | 11     | 3         | 4         | 7      | 4         | 8         | 12     |
| Calm . . . . .                                      | 4         | 2         | 6      | ...       | ...       | ...    | 1         | ...       | 1      | 2         | ...       | 2      | 2         | ...       | 2      | ...       | ...       | ...    |
| Variable . . . . .                                  | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |
| Resultant { Percentage . . .                        | 27        |           |        | 74        |           |        | 16        |           |        | 66        |           |        | 7         |           |        | 33        |           |        |
| Resultant { Direction . . .                         | N. 60° W. |           |        | N. 62° W. |           |        | N. 26° W. |           |        | N. 79° W. |           |        | S. 86° W. |           |        | N. 38° W. |           |        |
| Mean diurnal velocity of wind in miles . . . . .    | 90'1      |           |        | 115'4     |           |        | 106'1     |           |        | 94'2      |           |        | 146'7     |           |        | 144'3     |           |        |
| Average Resultant { Percentage . . .                | 35        |           |        | 38        |           |        | 39        |           |        | 44        |           |        | 30        |           |        | 28        |           |        |
| Average Resultant { Direction . . .                 | N. 64° W. |           |        | N. 75° W. |           |        | N. 70° W. |           |        | N. 84° W. |           |        | N. 72° W. |           |        | N. 60° W. |           |        |
| Average diurnal velocity of wind in miles 15 Years. |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |
| Average diurnal velocity of wind in miles 14 Years. | 83'0      |           |        | 97'2      |           |        | 108'5     |           |        | 114'4     |           |        | 141'4     |           |        | 137'3     |           |        |

|                                                        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |           |        |
|--------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|
|                                                        | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |
| North . . . . .                                        | 5         | 6         | 11     | 2         | 1         | 3      | 7          | 7         | 14     | 7         | 9         | 16     | ...       | ...       | ...    | 5         | 9         | 14     |
| North-East . . . . .                                   | 3         | 3         | 6      | 1         | 4         | 5      | 1          | 2         | 3      | 9         | 11        | 20     | ...       | ...       | ...    | 1         | 6         | 7      |
| East . . . . .                                         | 8         | 6         | 14     | 4         | 4         | 8      | 3          | 1         | 4      | 8         | 9         | 17     | ...       | ...       | ...    | 4         | 2         | 6      |
| South-East . . . . .                                   | 1         | 6         | 7      | 2         | 1         | 3      | ...        | ...       | ...    | 1         | ...       | 1      | ...       | ...       | ...    | ...       | 1         | 1      |
| South . . . . .                                        | ...       | ...       | ...    | 4         | 2         | 6      | ...        | ...       | ...    | 1         | 1         | 2      | 2         | 2         | 4      | ...       | ...       | ...    |
| South-West . . . . .                                   | 1         | 1         | 2      | 4         | 2         | 6      | ...        | ...       | ...    | ...       | 1         | 1      | 7         | 3         | 10     | 2         | 1         | 3      |
| West . . . . .                                         | 4         | 4         | 8      | 12        | 11        | 23     | 9          | 5         | 14     | ...       | ...       | ...    | 12        | 7         | 19     | 6         | 1         | 7      |
| North-West . . . . .                                   | 5         | 5         | 10     | 1         | 6         | 7      | 10         | 15        | 25     | 1         | ...       | 1      | 4         | 18        | 22     | 6         | 10        | 16     |
| Calm . . . . .                                         | 4         | ...       | 4      | 1         | ...       | 1      | ...        | ...       | ...    | 4         | ...       | 4      | 5         | ...       | 5      | 7         | 1         | 8      |
| Variable . . . . .                                     | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |
| Resultant { Percentage . . .                           | 28        |           |        | 30        |           |        | 71         |           |        | 66        |           |        | 70        |           |        | 46        |           |        |
| Resultant { Direction . . .                            | N. 23° E. |           |        | S. 87° W. |           |        | N. 37° W.  |           |        | N. 48° E. |           |        | N. 84° W. |           |        | N. 18° W. |           |        |
| Mean diurnal velocity of wind in miles . . . . .       | 111'5     |           |        | 99'2      |           |        | 100'0      |           |        | 61'8      |           |        | 43'1      |           |        | 64'3      |           |        |
| Average Resultant { Percentage . . .                   | 13        |           |        | 10        |           |        | 13         |           |        | 40        |           |        | 36        |           |        | 28        |           |        |
| Average Resultant { Direction . . .                    | N. 63° E. |           |        | S. 22° E. |           |        | N. 26° W.  |           |        | N. 78° W. |           |        | N. 81° W. |           |        | N. 64° W. |           |        |
| Average diurnal velocity of wind in miles 15 Years.    |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |           |        |
| Average diurnal velocity of wind in miles 13-14 Years. | 120'2     |           |        | 106'5     |           |        | 99'3       |           |        | 71'9      |           |        | 60'0      |           |        | 62'4      |           |        |



TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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28.—LUCKNOW (4 observations daily).

|                                                               | JANUARY.        |           |           |           |        | FEBRUARY.       |           |           |           |        | MARCH.          |           |           |           |        | APRIL.          |           |           |           |        | MAY.            |           |           |           |        | JUNE.           |           |           |           |        |
|---------------------------------------------------------------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|
|                                                               | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                               | 14              | 13        | 16        | 15        | 58     | 19              | 19        | 21        | 20        | 79     | 9               | 8         | 7         | 10        | 34     | 7               | 6         | 9         | 9         | 31     | 2               | 2         | 6         | 5         | 15     | 4               | 4         | 4         | 6         | 18     |
| North-East . . . . .                                          | 4               | 6         | 4         | 4         | 18     | 3               | 3         | 1         | 2         | 9      | 4               | 3         | 6         | 5         | 18     | 5               | 4         | 5         | 6         | 20     | 1               | 1         | 4         | 1         | 7      | 2               | 3         | 5         | 3         | 13     |
| East . . . . .                                                | ...             | 1         | 1         | 2         | 4      | ...             | ...       | ...       | ...       | ...    | 4               | 3         | ...       | 2         | 9      | 2               | 2         | ...       | ...       | 4      | 1               | 3         | 1         | 1         | 6      | 2               | ...       | 1         | ...       | 3      |
| South-East . . . . .                                          | 1               | ...       | 1         | ...       | 2      | ...             | ...       | ...       | ...       | ...    | ...             | 1         | 4         | 1         | 6      | ...             | 1         | 1         | 2         | 4      | 5               | 3         | 2         | 2         | 12     | 5               | 3         | 3         | 5         | 16     |
| South . . . . .                                               | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | 1               | 1         | ...       | 1         | 3      | ...             | 1         | ...       | 1         | 2      | 3               | 3         | 4         | 6         | 16     | 5               | 7         | 7         | 6         | 25     |
| South-West . . . . .                                          | ...             | ...       | ...       | 1         | 1      | ...             | ...       | ...       | ...       | ...    | ...             | 1         | ...       | 1         | 2      | 1               | 2         | 2         | 1         | 6      | 4               | 8         | 5         | 3         | 20     | 3               | 4         | 3         | 3         | 13     |
| West . . . . .                                                | 1               | ...       | 1         | ...       | 2      | ...             | ...       | ...       | ...       | ...    | 2               | 4         | 5         | 2         | 13     | 3               | 4         | 5         | 3         | 15     | 5               | 5         | 6         | 5         | 21     | 3               | 3         | 3         | 1         | 10     |
| North-West . . . . .                                          | 8               | 9         | 8         | 9         | 34     | 6               | 6         | 6         | 6         | 24     | 9               | 7         | 9         | 9         | 34     | 11              | 9         | 8         | 8         | 36     | 5               | 5         | 3         | 4         | 17     | 5               | 5         | 4         | 3         | 17     |
| Calm . . . . .                                                | 3               | 2         | ...       | ...       | 5      | ...             | ...       | ...       | ...       | ...    | 2               | 3         | ...       | ...       | 5      | 1               | 1         | ...       | ...       | 2      | 5               | 1         | ...       | 4         | 10     | ...             | ...       | ...       | 3         | 3      |
| Variable . . . . .                                            | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Resultant { Percentage<br>Direction .                         | 75<br>N. 5° W.  |           |           |           |        | 92<br>N. 6° W.  |           |           |           |        | 51<br>N. 11° W. |           |           |           |        | 55<br>N. 21° W. |           |           |           |        | 23<br>S. 77° W. |           |           |           |        | 8<br>S. 51° W.  |           |           |           |        |
| Mean diurnal velocity of<br>wind in miles . . . . .           | 93'3            |           |           |           |        | 154'5           |           |           |           |        | 116'8           |           |           |           |        | 137'0           |           |           |           |        | 123'5           |           |           |           |        | 130'1           |           |           |           |        |
| Average Resultant { Percentage<br>Direction .<br>14-15 Years. | 41<br>N. 57° W. |           |           |           |        | 44<br>N. 58° W. |           |           |           |        | 49<br>N. 54° W. |           |           |           |        | 44<br>N. 53° W. |           |           |           |        | 15<br>N. 15° E. |           |           |           |        | 17<br>N. 51° E. |           |           |           |        |
| Average diurnal velocity<br>of wind in miles<br>13-15 Years.  | 55'6            |           |           |           |        | 75'0            |           |           |           |        | 94'1            |           |           |           |        | 103'9           |           |           |           |        | 100'3           |           |           |           |        | 101'1           |           |           |           |        |

|                                                               | JULY.           |           |           |           |        | AUGUST.         |           |           |           |        | SEPTEMBER.     |           |           |           |        | OCTOBER.        |           |           |           |        | NOVEMBER.       |           |           |           |        | DECEMBER.       |           |           |           |        |
|---------------------------------------------------------------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|
|                                                               | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.       | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                               | 10              | 10        | 12        | 12        | 44     | 13              | 14        | 15        | 14        | 56     | 7              | 4         | 7         | 5         | 23     | 9               | 11        | 12        | 8         | 40     | 7               | 11        | 11        | 7         | 36     | 7               | 6         | 10        | 9         | 32     |
| North-East . . . . .                                          | 6               | 4         | 5         | 5         | 20     | 5               | 7         | 5         | 6         | 23     | 6              | 8         | 7         | 4         | 25     | 4               | 2         | 4         | 5         | 15     | 3               | 4         | 7         | 5         | 19     | 3               | 7         | 8         | 5         | 23     |
| East . . . . .                                                | 1               | 3         | 2         | ...       | 6      | 4               | 3         | 2         | 2         | 11     | 3              | 4         | 2         | 4         | 13     | 2               | 3         | 5         | 3         | 13     | 2               | 1         | ...       | 1         | 4      | 2               | 3         | 2         | 4         | 11     |
| South-East . . . . .                                          | 5               | 4         | 3         | 4         | 16     | 1               | 1         | 2         | ...       | 4      | 1              | 3         | 1         | 2         | 7      | ...             | 1         | ...       | ...       | 1      | 1               | 1         | 2         | 2         | 6      | 1               | 3         | 1         | 1         | 6      |
| South . . . . .                                               | 2               | 4         | 1         | 2         | 9      | 1               | 2         | ...       | ...       | 3      | 2              | 2         | 1         | 2         | 7      | ...             | ...       | ...       | ...       | ...    | 1               | 2         | 1         | ...       | 4      | 2               | 2         | 3         | 1         | 8      |
| South-West . . . . .                                          | ...             | ...       | 1         | ...       | 1      | ...             | ...       | 1         | ...       | 1      | 1              | 1         | 1         | 1         | 4      | ...             | 1         | ...       | 1         | 2      | 1               | 2         | 1         | 2         | 6      | 1               | 2         | ...       | 1         | 4      |
| West . . . . .                                                | 1               | 2         | 2         | 1         | 6      | 1               | 1         | 1         | 1         | 4      | 2              | 2         | 2         | 2         | 8      | 2               | 3         | 3         | 1         | 9      | 3               | 2         | 4         | 3         | 12     | 2               | 2         | 2         | 1         | 7      |
| North-West . . . . .                                          | 5               | 4         | 4         | 5         | 18     | 4               | 2         | 3         | 3         | 12     | 7              | 6         | 9         | 6         | 28     | 7               | 7         | 6         | 3         | 23     | 2               | 2         | 2         | 3         | 9      | 5               | 1         | 5         | 4         | 15     |
| Calm . . . . .                                                | 1               | ...       | 1         | 2         | 4      | 1               | ...       | ...       | 4         | 5      | 1              | ...       | ...       | 4         | 5      | 7               | 3         | 1         | 10        | 21     | 10              | 4         | 2         | 7         | 23     | 8               | 5         | ...       | 5         | 18     |
| Variable . . . . .                                            | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...            | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Resultant { Percentage<br>Direction .                         | 41<br>N. 14° E. |           |           |           |        | 64<br>N. 13° E. |           |           |           |        | 38<br>N. 6° E. |           |           |           |        | 52<br>N. 2° W.  |           |           |           |        | 36<br>N. 1° W.  |           |           |           |        | 36<br>N. 14° E. |           |           |           |        |
| Mean diurnal velocity of<br>wind in miles . . . . .           | 105'6           |           |           |           |        | 108'9           |           |           |           |        | 83'8           |           |           |           |        | 65'9            |           |           |           |        | 51'3            |           |           |           |        | 70'4            |           |           |           |        |
| Average Resultant { Percentage<br>Direction .<br>14-15 Years. | 18<br>N. 85° E. |           |           |           |        | 12<br>S. 77° E. |           |           |           |        | 14<br>N. 1° E. |           |           |           |        | 39<br>N. 30° W. |           |           |           |        | 46<br>N. 45° W. |           |           |           |        | 49<br>N. 53° W. |           |           |           |        |
| Average diurnal velocity<br>of wind in miles<br>13-15 Years.  | 92'2            |           |           |           |        | 70'6            |           |           |           |        | 67'1           |           |           |           |        | 45'9            |           |           |           |        | 33'7            |           |           |           |        | 39'2            |           |           |           |        |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 29.—GORAKHPUR (2 observations daily).

|                                                          | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |      |     |           |  |  |
|----------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|------|-----|-----------|--|--|
|                                                          | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |      |     |           |  |  |
| North . . .                                              | 3           | 1         | 4      | 2         | 2         | 4      | 3         | 1         | 4      | 1         | ...       | 1      | 1         | ...       | 1      | 1         | ...       | 1      | 1         | 2         | ...    | ...       | ...       | 1      | ...        | 1         | 2      | ...       | 2         | ...    | 1         | 1         | ...    | 1         |      |     |           |  |  |
| North-East . . .                                         | ...         | ...       | ...    | 1         | ...       | 1      | 2         | ...       | 2      | ...       | ...       | ...    | 5         | 1         | 6      | 2         | 1         | 3      | 3         | 1         | 4      | ...       | 1         | 1      | 2          | ...       | 2      | 1         | 1         | 2      | 1         | ...       | 1      | ...       | ...  |     |           |  |  |
| East . . .                                               | ...         | 1         | 1      | 2         | 2         | 4      | 3         | 4         | 7      | 5         | ...       | 5      | 6         | 6         | 12     | 8         | 4         | 12     | 9         | 11        | 20     | 8         | 5         | 13     | 8          | 8         | 16     | 5         | 5         | 10     | 1         | ...       | 1      | 4         | 1    | 5   |           |  |  |
| South-East . . .                                         | 2           | 1         | 3      | 2         | 1         | 3      | 1         | ...       | 1      | 1         | 1         | 2      | 3         | ...       | 3      | 1         | 3         | 4      | 1         | 2         | 3      | 2         | 2         | 4      | 2          | 2         | 4      | 1         | 1         | 2      | ...       | ...       | ...    | 1         | ...  | 1   |           |  |  |
| South . . .                                              | 2           | 1         | 3      | 2         | 1         | 3      | 3         | 1         | 4      | 1         | ...       | 1      | 1         | 1         | 2      | 2         | 1         | 3      | 2         | 1         | 3      | 2         | ...       | 2      | 4          | ...       | 4      | 1         | 1         | 2      | ...       | ...       | ...    | ...       | ...  | ... |           |  |  |
| South-West . . .                                         | ...         | ...       | ...    | 1         | ...       | 1      | 1         | ...       | 1      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | 1         | 1      | ...       | 1         | 1      | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...  |     |           |  |  |
| West . . .                                               | 13          | 20        | 33     | 12        | 20        | 32     | 14        | 18        | 32     | 7         | 17        | 24     | 1         | 4         | 5      | 3         | 6         | 9      | 2         | 4         | 6      | 4         | 7         | 11     | ...        | 1         | 1      | 6         | 5         | 11     | 9         | 6         | 15     | 6         | 5    | 11  |           |  |  |
| North-West . . .                                         | 1           | ...       | 1      | 2         | 2         | 4      | 1         | 1         | 2      | ...       | 3         | 3      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | 1      | 1         | 2         | ...    | ...       | ...       | ...    | ...       | ...  |     |           |  |  |
| Calm . . .                                               | 10          | 7         | 17     | 4         | ...       | 4      | 3         | 6         | 9      | 14        | 9         | 23     | 14        | 18        | 32     | 13        | 15        | 28     | 13        | 10        | 23     | 15        | 15        | 30     | 13         | 19        | 32     | 14        | 17        | 31     | 19        | 23        | 42     | 19        | 25   | 44  |           |  |  |
| Variable . . .                                           | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...  |     |           |  |  |
| Resultant {                                              | Percentage  |           |        | 49        |           |        | 51        |           |        | 40        |           |        | 34        |           |        | 21        |           |        | 14        |           |        | 29        |           |        | 11         |           |        | 33        |           |        | 2         |           |        | 22        |      |     | 9         |  |  |
|                                                          | Direction . |           |        | S. 89° W. |           |        | N. 87° W. |           |        | N. 87° W. |           |        | W.        |           |        | N. 82° E. |           |        | S. 71° E. |           |        | S. 87° E. |           |        | S. 45° E.  |           |        | S. 77° E. |           |        | N. 16° E. |           |        | N. 83° W. |      |     | N. 87° W. |  |  |
| Mean diurnal velocity of wind in miles .                 |             | 29.9      |        |           | 50.4      |        |           | 57.7      |        |           | 67.6      |        |           | 59.4      |        |           | 49.4      |        |           | 39.6      |        |           | 26.0      |        |            | 21.7      |        |           | 20.5      |        |           | 12.1      |        |           | 14.7 |     |           |  |  |
| Average Resultant {                                      | Percentage  |           |        | 45        |           |        | 44        |           |        | 39        |           |        | 22        |           |        | 28        |           |        | 52        |           |        | 52        |           |        | 38         |           |        | 32        |           |        | 17        |           |        | 47        |      |     | 52        |  |  |
|                                                          | Direction . |           |        | S. 85° W. |           |        | N. 84° W. |           |        | N. 81° W. |           |        | N. 67° W. |           |        | S. 82° E. |           |        | S. 74° E. |           |        | S. 69° E. |           |        | S. 62° E.  |           |        | S. 70° E. |           |        | N. 83° W. |           |        | N. 79° W. |      |     | N. 86° W. |  |  |
| 15 Years.<br>Average diurnal velocity of wind in miles . |             | 42.3      |        |           | 56.7      |        |           | 90.7      |        |           | 111.4     |        |           | 97.5      |        |           | 91.7      |        |           | 70.0      |        |           | 58.3      |        |            | 52.6      |        |           | 29.2      |        |           | 20.5      |        |           | 19.8 |     |           |  |  |
| 5.8 Years.                                               |             | 42.3      |        |           | 56.7      |        |           | 90.7      |        |           | 111.4     |        |           | 97.5      |        |           | 91.7      |        |           | 70.0      |        |           | 58.3      |        |            | 52.6      |        |           | 29.2      |        |           | 20.5      |        |           | 19.8 |     |           |  |  |

## 30.—JHANSI (2 observations daily).

|                                                           | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |      |     |           |  |
|-----------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|------|-----|-----------|--|
|                                                           | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |      |     |           |  |
| North . . .                                               | ...         | 4         | 4      | 3         | 1         | 4      | 2         | 1         | 3      | 3         | 2         | 5      | 3         | ...       | 3      | 4         | 1         | 5      | 2         | 2         | 4      | 2         | ...       | 2      | 4          | 3         | 7      | 2         | 1         | 3      | 2         | 1         | 3      | 1         | 1    | 2   |           |  |
| North-East . . .                                          | 5           | 2         | 7      | 3         | 2         | 5      | 3         | 1         | 4      | 1         | 1         | 2      | 1         | 3         | 4      | 5         | 7         | 12     | 7         | 15        | 22     | 7         | 12        | 19     | 7          | 5         | 12     | 12        | 12        | 24     | 5         | 6         | 11     | 11        | 8    | 19  |           |  |
| East . . .                                                | 4           | 2         | 6      | 1         | ...       | 1      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | 2         | 2         | 4      | 5         | 3         | 8      | 4         | 4         | 8      | 2          | 2         | 4      | 2         | ...       | 2      | ...       | ...       | ...    | ...       | ...  |     |           |  |
| South-East . . .                                          | 11          | 6         | 17     | 7         | 5         | 12     | 3         | 3         | 6      | 1         | 1         | 2      | 3         | 5         | 8      | 2         | 2         | 4      | 7         | 6         | 13     | 3         | 3         | 6      | 2          | 2         | 4      | 5         | 9         | 14     | 1         | 2         | 3      | ...       | 1    | 1   |           |  |
| South . . .                                               | 3           | 3         | 6      | 2         | 2         | 4      | 2         | 1         | 3      | 1         | 2         | 3      | 1         | ...       | 1      | 2         | 1         | 3      | 2         | 1         | 3      | 1         | 2         | 3      | ...        | 1         | 1      | 1         | 1         | 2      | 2         | 1         | 3      | ...       | ...  | ... |           |  |
| South-West . . .                                          | 6           | 7         | 13     | 2         | 8         | 10     | 10        | 15        | 25     | 5         | 8         | 13     | 2         | 4         | 6      | 5         | 4         | 9      | 4         | ...       | 4      | 5         | 6         | 11     | 1          | 1         | 2      | 5         | 2         | 7      | 9         | 4         | 13     | 4         | 3    | 7   |           |  |
| West . . .                                                | ...         | 1         | 1      | ...       | 2         | 2      | ...       | 1         | 1      | 2         | 1         | 3      | 1         | ...       | 1      | 2         | 1         | 3      | 1         | 1         | 2      | 3         | ...       | 3      | 2          | 1         | 3      | ...       | ...       | ...    | 1         | 1         | 2      | 1         | ...  | 1   |           |  |
| North-West . . .                                          | ...         | 6         | 6      | 8         | 8         | 16     | 7         | 9         | 16     | 11        | 14        | 25     | 12        | 15        | 27     | 8         | 12        | 20     | 2         | 3         | 5      | 2         | 2         | 4      | 10         | 11        | 21     | ...       | 2         | 2      | 6         | 8         | 14     | 12        | 14   | 26  |           |  |
| Calm . . .                                                | 2           | ...       | 2      | 2         | ...       | 2      | 3         | ...       | 3      | 6         | 1         | 7      | 8         | 3         | 11     | ...       | ...       | ...    | 1         | ...       | 1      | 4         | 2         | 6      | 2          | 4         | 6      | 4         | 4         | 8      | 4         | 7         | 11     | 2         | 4    | 6   |           |  |
| Variable . . .                                            | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...  | ... |           |  |
| Resultant {                                               | Percentage  |           |        | 13        |           |        | 38        |           |        | 48        |           |        | 35        |           |        | 29        |           |        | 41        |           |        | 20        |           |        | 42         |           |        | 37        |           |        | 21        |           |        | 48        |      |     |           |  |
|                                                           | Direction . |           |        | S. 31° E. |           |        | S. 85° W. |           |        | S. 70° W. |           |        | N. 69° W. |           |        | N. 49° W. |           |        | N. 28° W. |           |        | N. 71° E. |           |        | N. 75° E.  |           |        | N. 9° W.  |           |        | N. 79° E. |           |        | N. 60° W. |      |     | N. 20° W. |  |
| Mean diurnal velocity of wind in miles                    |             | ?         |        |           | ?         |        |           | ?         |        |           | 69.1      |        |           | 72.9      |        |           | 121.4     |        |           | 149.8     |        |           | 138.5     |        |            | 82.7      |        |           | 99.4      |        |           | 87.7      |        |           | 55.6 |     |           |  |
| Average Resultant {                                       | Percentage  |           |        | 12        |           |        | 7         |           |        | 28        |           |        | 22        |           |        | 17        |           |        | 26        |           |        | 22        |           |        | 21         |           |        | 19        |           |        | 21        |           |        | 26        |      |     |           |  |
|                                                           | Direction . |           |        | N. 34° E. |           |        | N.        |           |        | N. 80° W. |           |        | S. 78° W. |           |        | N. 81° W. |           |        | S. 76° W. |           |        | S. 49° W. |           |        | S. 64° W.  |           |        | N. 50° W. |           |        | N. 30° W. |           |        | N. 1° E.  |      |     | N. 26° E. |  |
| 14.15 Years.<br>Average diurnal velocity of wind in miles |             | 47.4      |        |           | 64.8      |        |           | 77.3      |        |           | 97.6      |        |           | 117.4     |        |           | 141.0     |        |           | 107.0     |        |           | 93.9      |        |            | 83.5      |        |           | 68.1      |        |           | 50.2      |        |           | 54.6 |     |           |  |
| 3.6 Years.                                                |             | 47.4      |        |           | 64.8      |        |           | 77.3      |        |           | 97.6      |        |           | 117.4     |        |           | 141.0     |        |           | 107.0     |        |           | 93.9      |        |            | 83.5      |        |           | 68.1      |        |           | 50.2      |        |           | 54.6 |     |           |  |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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## 31.—ALLAHABAD (4 observations daily).

|                                                     | JANUARY.  |           |           |           |        | FEBRUARY. |           |           |           |        | MARCH.    |           |           |           |        | APRIL.    |           |           |           |        | MAY.      |           |           |           |        | JUNE.     |           |           |           |        |
|-----------------------------------------------------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|
|                                                     | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                     | 2         | 1         | 3         | 4         | 10     | ...       | 1         | ...       | ...       | 1      | 2         | 1         | 3         | 1         | 7      | 2         | 1         | 3         | 3         | 9      | 2         | 1         | 9         | 1         | 13     | 3         | 2         | 3         | 4         | 12     |
| North-East . . . . .                                | 1         | 1         | ...       | 1         | 3      | ...       | ...       | ...       | 2         | 2      | 2         | 1         | 1         | 1         | 5      | 1         | 2         | ...       | 1         | 4      | 4         | 1         | 5         | 8         | 18     | 2         | 3         | 2         | 2         | 9      |
| East . . . . .                                      | 4         | 4         | 6         | 4         | 18     | 1         | 2         | 1         | ...       | 4      | 2         | 2         | 4         | 1         | 9      | 4         | 4         | 1         | 1         | 10     | 12        | 13        | 5         | 8         | 38     | 3         | 4         | 5         | 3         | 15     |
| South-East . . . . .                                | 1         | 1         | ...       | ...       | 2      | 1         | 1         | 1         | ...       | 3      | 1         | 3         | ...       | 3         | 7      | 1         | 1         | ...       | ...       | 2      | 1         | 5         | 1         | ...       | 7      | 3         | 2         | 1         | 1         | 7      |
| South . . . . .                                     | ...       | 2         | ...       | ...       | 2      | 1         | ...       | ...       | 1         | 2      | ...       | 4         | 1         | ...       | 5      | 3         | 3         | ...       | 1         | 7      | ...       | 3         | ...       | ...       | 3      | 1         | ...       | 1         | 3         |        |
| South-West . . . . .                                | 3         | 3         | ...       | ...       | 6      | 4         | 1         | ...       | ...       | 5      | 6         | 6         | ...       | 2         | 14     | 4         | 4         | ...       | 1         | 9      | 2         | 1         | ...       | ...       | 3      | ...       | 2         | ...       | 2         | 4      |
| West . . . . .                                      | 4         | 6         | 5         | ...       | 15     | 9         | 10        | 7         | 4         | 30     | 3         | 8         | 4         | 1         | 16     | 5         | 8         | 5         | 3         | 21     | 1         | 3         | 2         | ...       | 6      | 4         | 6         | 2         | 2         | 14     |
| North-West . . . . .                                | 5         | 10        | 17        | 7         | 39     | 9         | 12        | 19        | 16        | 56     | 10        | 5         | 18        | 13        | 46     | 8         | 7         | 21        | 15        | 51     | ...       | 3         | 9         | 5         | 17     | 8         | 10        | 16        | 8         | 42     |
| Calm . . . . .                                      | 11        | 3         | ...       | 15        | 29     | 3         | 1         | ...       | 5         | 9      | 5         | 1         | ...       | 9         | 15     | 2         | ...       | ...       | 5         | 7      | 9         | 1         | ...       | 9         | 19     | 6         | 1         | ...       | 7         | 14     |
| Variable . . . . .                                  | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    |
| Resultant { Percentage .                            | 33        |           |           |           |        | 66        |           |           |           |        | 38        |           |           |           |        | 49        |           |           |           |        | 36        |           |           |           |        | 35        |           |           |           |        |
|                                                     | N. 38° W. |           |           |           |        | N. 62° W. |           |           |           |        | N. 60° W. |           |           |           |        | N. 56° W. |           |           |           |        | N. 52° E. |           |           |           |        | N. 28° W. |           |           |           |        |
| Mean diurnal velocity of wind in miles . . . . .    | 67.3      |           |           |           |        | 134.2     |           |           |           |        | 109.7     |           |           |           |        | 115.3     |           |           |           |        | 161.2     |           |           |           |        | 137.3     |           |           |           |        |
| Average Resultant { Percentage .                    | 20        |           |           |           |        | 25        |           |           |           |        | 34        |           |           |           |        | 25        |           |           |           |        | 20        |           |           |           |        | 12        |           |           |           |        |
|                                                     | N. 34° W. |           |           |           |        | N. 66° W. |           |           |           |        | N. 65° W. |           |           |           |        | N. 52° W. |           |           |           |        | N. 8° E.  |           |           |           |        | N. 2° E.  |           |           |           |        |
| 15 Years.                                           |           |           |           |           |        |           |           |           |           |        |           |           |           |           |        |           |           |           |           |        |           |           |           |           |        |           |           |           |           |        |
| Average diurnal velocity of wind in miles . . . . . | 42.1      |           |           |           |        | 61.2      |           |           |           |        | 64.2      |           |           |           |        | 75.7      |           |           |           |        | 87.3      |           |           |           |        | 86.2      |           |           |           |        |
| 11-12 Years.                                        |           |           |           |           |        |           |           |           |           |        |           |           |           |           |        |           |           |           |           |        |           |           |           |           |        |           |           |           |           |        |

|                                                     | JULY.     |           |           |           |        | AUGUST.   |           |           |           |        | SEPTEMBER. |           |           |           |        | OCTOBER.  |           |           |           |        | NOVEMBER. |           |           |           |        | DECEMBER. |           |           |           |        |
|-----------------------------------------------------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|------------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|
|                                                     | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.   | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                     | 1         | ...       | 2         | ...       | 3      | ...       | 1         | 1         | ...       | 2      | 2          | ...       | 4         | 3         | 9      | 2         | 2         | 10        | ...       | 14     | 1         | 1         | 5         | 3         | 10     | 3         | ...       | 2         | 2         | 7      |
| North-East . . . . .                                | 3         | 3         | 6         | 6         | 18     | 5         | 4         | 3         | 4         | 16     | 3          | 4         | 4         | 1         | 12     | 3         | 4         | 4         | 3         | 14     | 3         | 2         | 5         | 1         | 11     | ...       | 1         | 2         | 2         | 5      |
| East . . . . .                                      | 8         | 6         | 6         | 6         | 26     | 2         | 6         | 7         | 6         | 21     | 4          | 4         | 3         | 4         | 15     | 9         | 10        | 7         | 7         | 33     | 2         | 5         | 6         | 1         | 14     | 4         | 4         | 5         | 3         | 16     |
| South-East . . . . .                                | 1         | 1         | 3         | 1         | 6      | 1         | 1         | ...       | 2         | 4      | 1          | 2         | ...       | 2         | 5      | 2         | 3         | 2         | ...       | 7      | 4         | 9         | ...       | ...       | 13     | 1         | 2         | ...       | ...       | 3      |
| South . . . . .                                     | 1         | 2         | 1         | 1         | 5      | 4         | ...       | 2         | 4         | 10     | ...        | ...       | 1         | 3         | 4      | ...       | 2         | ...       | 2         | 4      | 2         | 1         | ...       | ...       | 3      | 1         | 2         | ...       | 1         | 4      |
| South-West . . . . .                                | 8         | 3         | 2         | 5         | 18     | 8         | 4         | 3         | 5         | 20     | 3          | ...       | 1         | 2         | 6      | 1         | 1         | ...       | ...       | 2      | 1         | 3         | ...       | ...       | 4      | 3         | 4         | ...       | 1         | 8      |
| West . . . . .                                      | 7         | 7         | 9         | 6         | 29     | 7         | 12        | 9         | 4         | 32     | 8          | 10        | 4         | 3         | 25     | ...       | 2         | ...       | ...       | 2      | 3         | 6         | 3         | ...       | 12     | 8         | 9         | 10        | 8         | 35     |
| North-West . . . . .                                | 1         | 4         | 2         | 2         | 9      | ...       | 3         | 5         | 2         | 10     | 5          | 9         | 12        | 4         | 30     | ...       | 4         | 8         | ...       | 12     | 1         | ...       | 11        | 4         | 16     | 6         | 8         | 10        | 3         | 27     |
| Calm . . . . .                                      | 1         | 2         | ...       | 4         | 7      | 4         | ...       | 1         | 4         | 9      | 4          | 1         | 1         | 8         | 14     | 14        | 3         | ...       | 19        | 36     | 13        | 3         | ...       | 21        | 37     | 5         | 1         | 2         | 11        | 19     |
| Variable . . . . .                                  | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...        | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    |
| Resultant { Percentage .                            | 2         |           |           |           |        | 16        |           |           |           |        | 30         |           |           |           |        | 34        |           |           |           |        | 12        |           |           |           |        | 34        |           |           |           |        |
|                                                     | N. 87° W. |           |           |           |        | S. 70° W. |           |           |           |        | N. 41° W.  |           |           |           |        | N. 59° E. |           |           |           |        | N. 19° E. |           |           |           |        | N. 65° W. |           |           |           |        |
| Mean diurnal velocity of wind in miles . . . . .    | 149.5     |           |           |           |        | 144.2     |           |           |           |        | 87.0       |           |           |           |        | 69.4      |           |           |           |        | 38.6      |           |           |           |        | 73.7      |           |           |           |        |
| Average Resultant { Percentage .                    | 7         |           |           |           |        | 4         |           |           |           |        | 11         |           |           |           |        | 13        |           |           |           |        | 21        |           |           |           |        | 22        |           |           |           |        |
|                                                     | N. 84° E. |           |           |           |        | N. 40° E. |           |           |           |        | N. 42° E.  |           |           |           |        | N. 42° W. |           |           |           |        | N. 65° W. |           |           |           |        | N. 54° W. |           |           |           |        |
| 15 Years.                                           |           |           |           |           |        |           |           |           |           |        |            |           |           |           |        |           |           |           |           |        |           |           |           |           |        |           |           |           |           |        |
| Average diurnal velocity of wind in miles . . . . . | 92.6      |           |           |           |        | 80.8      |           |           |           |        | 65.8       |           |           |           |        | 36.0      |           |           |           |        | 28.5      |           |           |           |        | 35.6      |           |           |           |        |
| 11-13 Years.                                        |           |           |           |           |        |           |           |           |           |        |            |           |           |           |        |           |           |           |           |        |           |           |           |           |        |           |           |           |           |        |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 32.—BENARES (2 observations daily).

|                                                      |   |            | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |
|------------------------------------------------------|---|------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|
|                                                      |   |            | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |
| North                                                | . | .          | ...       | ...       | ...    | ...       | ...       | ...    | 2         | 1         | 3      | 2         | 2         | 4      | ...       | 7         | 7      | 1         | 1         | 2      | ...       | ...       | ...    | ...       | 1         | 1      | 1          | ...       | 1      | ...       | 2         | 2      | ...       | 1         | 1      | ...       | 1   | 1   |
| North-East                                           | . | .          | ...       | 3         | 3      | 1         | ...       | 1      | 1         | 2         | 3      | 1         | 1         | 2      | 7         | 7         | 14     | 3         | 5         | 8      | 2         | 2         | 4      | 1         | 1         | 2      | 1          | 4         | 5      | 1         | 3         | 4      | 1         | 3         | 4      | 1         | 3   | 4   |
| East                                                 | . | .          | 4         | 3         | 7      | 1         | 3         | 4      | 3         | 2         | 5      | 2         | ...       | 2      | 8         | 2         | 10     | 7         | 7         | 14     | 12        | 11        | 23     | 7         | 7         | 14     | 5          | 3         | 8      | 9         | 8         | 17     | 2         | 5         | 7      | 4         | 1   | 5   |
| South-East                                           | . | .          | 2         | ...       | 2      | 2         | ...       | 2      | 1         | 1         | 2      | ...       | ...       | ...    | 1         | ...       | 1      | ...       | ...       | ...    | 2         | 2         | 2      | ...       | 2         | ...    | 2          | 2         | 1      | 3         | 4         | ...    | ...       | ...       | ...    | ...       |     |     |
| South                                                | . | .          | 2         | ...       | 2      | ...       | ...       | ...    | 3         | ...       | 3      | 1         | ...       | 1      | ...       | ...       | ...    | 2         | ...       | 2      | ...       | 1         | 1      | 1         | 1         | 2      | 1          | ...       | 1      | ...       | ...       | ...    | 2         | ...       | 2      | ...       | ... |     |
| South-West                                           | . | .          | 8         | 1         | 9      | 7         | ...       | 7      | 9         | 2         | 11     | 4         | 2         | 6      | 2         | ...       | 2      | 2         | ...       | 2      | 6         | 3         | 9      | 4         | 3         | 7      | 3          | 2         | 5      | 1         | ...       | 1      | 4         | ...       | 4      | 5         | ... | 5   |
| West                                                 | . | .          | 10        | 20        | 30     | 16        | 24        | 40     | 6         | 18        | 24     | 15        | 23        | 38     | 6         | 8         | 14     | 6         | 12        | 18     | 8         | 8         | 16     | 12        | 13        | 25     | 5          | 12        | 17     | 2         | 3         | 5      | 4         | 10        | 14     | 13        | 22  | 35  |
| North-West                                           | . | .          | ...       | 3         | 3      | ...       | 1         | 1      | ...       | 3         | 3      | ...       | 2         | 2      | 1         | 7         | 8      | 2         | 4         | 6      | ...       | 1         | 1      | ...       | ...       | ...    | 1          | 1         | 2      | 1         | 4         | 5      | ...       | 3         | 3      | ...       | ... | ... |
| Calm                                                 | . | .          | 5         | 1         | 6      | 1         | ...       | 1      | 6         | 2         | 8      | 5         | ...       | 5      | 6         | ...       | 6      | 7         | 1         | 8      | 3         | 3         | 6      | 4         | 5         | 9      | 13         | 6         | 19     | 16        | 8         | 24     | 17        | 8         | 25     | 8         | 4   | 12  |
| Variable                                             | . | .          | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |     |
| Resultant                                            | { | Percentage | 46        |           |        | 71        |           |        | 42        |           |        | 67        |           |        | 33        |           |        | 16        |           |        | 11        |           |        | 23        |           |        | 15         |           |        | 23        |           |        | 15        |           |        | 50        |     |     |
|                                                      |   | Direction. | S. 79° W. |           |        | S. 83° W. |           |        | S. 79° W. |           |        | N. 88° W. |           |        | N. 1° W.  |           |        | N. 25° W. |           |        | S. 39° E. |           |        | S. 66° W. |           |        | W.         |           |        | N. 70° E. |           |        | N. 83° W. |           |        | N. 85° W. |     |     |
| Mean diurnal velocity of wind in miles.              |   |            | 80.7      |           |        | 186.3     |           |        | 148.3     |           |        | 136.6     |           |        | 146.4     |           |        | 139.6     |           |        | 121.8     |           |        | 120.4     |           |        | 84.5       |           |        | 64.8      |           |        | 54.5      |           |        | 74.6      |     |     |
| Average Resultant                                    | { | Percentage | 29        |           |        | 40        |           |        | 49        |           |        | 44        |           |        | 23        |           |        | 10        |           |        | 9         |           |        | 11        |           |        | 3          |           |        | 32        |           |        | 42        |           |        | 47        |     |     |
|                                                      |   | Direction. | N. 78° W. |           |        | N. 88° W. |           |        | N. 88° W. |           |        | N. 80° W. |           |        | N. 43° W. |           |        | N. 56° W. |           |        | S. 1° W.  |           |        | S. 49° E. |           |        | S. 70° E.  |           |        | N. 79° W. |           |        | N. 84° W. |           |        | N. 83° W. |     |     |
| Average diurnal velocity of wind in miles. 15 Years. |   |            | 68.9      |           |        | 96.0      |           |        | 113.7     |           |        | 121.0     |           |        | 122.4     |           |        | 123.2     |           |        | 113.3     |           |        | 99.8      |           |        | 91.8       |           |        | 60.6      |           |        | 51.6      |           |        | 58.3      |     |     |

## 33.—GHAZIPUR (2 observations daily).

|                                                     | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |      |    |  |
|-----------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|------|----|--|
|                                                     | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |      |    |  |
| North . . .                                         | ...         | ...       | ...    | 1         | ...       | 1      | ...       | 1         | 1      | 1         | 1         | 2      | 1         | 3         | 4      | 1         | 3         | 4      | ...       | 1         | 1      | ...       | ...       | ...    | ...        | 2         | 2      | 1         | 1         | 2      | 2         | 1         | 3      | ...       | 1    | 1  |  |
| North-East . . .                                    | ...         | ...       | ...    | ...       | ...       | ...    | 1         | 1         | 2      | ...       | ...       | ...    | 2         | 1         | 3      | 1         | ...       | 1      | ...       | 1         | 1      | ...       | ...       | ...    | ...        | ...       | 1      | 1         | 1         | 2      | 3         | ...       | ...    | ...       |      |    |  |
| East . . .                                          | ...         | ...       | ...    | ...       | 1         | 1      | 4         | ...       | 4      | 7         | 1         | 8      | 15        | 8         | 23     | 4         | 9         | 13     | 11        | 9         | 20     | 7         | 8         | 15     | 8          | 4         | 12     | 7         | 7         | 14     | 9         | 1         | 10     | 3         | 2    | 5  |  |
| South-East . . .                                    | 1           | 1         | 2      | 2         | 2         | 4      | 2         | 2         | 4      | ...       | ...       | ...    | 3         | ...       | 3      | 6         | 3         | 9      | 7         | 3         | 10     | 3         | 1         | 4      | 4          | 1         | 5      | 3         | 3         | 6      | 1         | 1         | 2      | 1         | ...  | 1  |  |
| South . . .                                         | ...         | ...       | ...    | ...       | ...       | ...    | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | 1      | ...       | 1         | ...    | ...       | ...       | ...    | ...       | ...  |    |  |
| South-West . . .                                    | 6           | ...       | 6      | 1         | ...       | 1      | 3         | 1         | 4      | 5         | 1         | 6      | 1         | ...       | 1      | 2         | 1         | 3      | 1         | 4         | 5      | 4         | 2         | 6      | 1          | 1         | 2      | 5         | 3         | 8      | 3         | ...       | 3      | 9         | ...  | 9  |  |
| West . . .                                          | 11          | 14        | 25     | 21        | 24        | 45     | 11        | 17        | 28     | 11        | 18        | 29     | 3         | 8         | 11     | 5         | 7         | 12     | 9         | 6         | 15     | 12        | 13        | 25     | 7          | 10        | 17     | 6         | 6         | 12     | 10        | 10        | 20     | 8         | 15   | 23 |  |
| North-West . . .                                    | ...         | 4         | 4      | ...       | 1         | 1      | ...       | 3         | 3      | 2         | 8         | 10     | ...       | 3         | 3      | 1         | ...       | 1      | 1         | 1         | 2      | ...       | ...       | ...    | 3          | ...       | 3      | ...       | 1         | 1      | ...       | 1         | 1      | ...       | 2    | 2  |  |
| Calm . . .                                          | 13          | 12        | 25     | 3         | ...       | 3      | 10        | 5         | 15     | 4         | 1         | 5      | 6         | 8         | 14     | 10        | 7         | 17     | 2         | 6         | 8      | 5         | 7         | 12     | 7          | 12        | 19     | 8         | 9         | 17     | 4         | 14        | 18     | 10        | 11   | 21 |  |
| Variable . . .                                      | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...  |    |  |
| Resultant {                                         | Percentage  |           |        | 76        |           |        | 40        |           |        | 54        |           |        | 23        |           |        | 10        |           |        | 17        |           |        | 22        |           |        | 8          |           |        | 12        |           |        | 16        |           |        | 41        |      |    |  |
|                                                     | Direction . |           |        | S. 88° W. |           |        | S. 85° W. |           |        | N. 82° W. |           |        | N. 68° E. |           |        | S. 60° E. |           |        | S. 46° E. |           |        | S. 58° W. |           |        | S. 81° W.  |           |        | S. 4° E.  |           |        | N. 76° W. |           |        | S. 79° W. |      |    |  |
| Mean diurnal velocity of wind in miles.             |             | 25.4      |        |           | 58.4      |        |           | 42.1      |        |           | 73.7      |        |           | 68.6      |        |           | 63.6      |        |           | 63.1      |        |           | 54.6      |        |            | 34.5      |        |           | 25.0      |        |           | 18.3      |        |           | 23.3 |    |  |
| Average Resultant {                                 | Percentage  |           |        | 58        |           |        | 51        |           |        | 56        |           |        | 16        |           |        | 16        |           |        | 23        |           |        | 10        |           |        | 9          |           |        | 20        |           |        | 30        |           |        | 45        |      |    |  |
|                                                     | Direction . |           |        | S. 86° W. |           |        | S. 86° W. |           |        | N. 85° W. |           |        | N. 46° W. |           |        | S. 86° E. |           |        | S. 69° E. |           |        | S. 31° E. |           |        | S. 60° E.  |           |        | S. 68° W. |           |        | S. 88° W. |           |        | S. 79° W. |      |    |  |
| 3.5 Years.                                          |             |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |      |    |  |
| Average diurnal velocity of wind in mile 4.5 Years. |             | 33.0      |        |           | 51.4      |        |           | 61.7      |        |           | 87.1      |        |           | 78.2      |        |           | 77.1      |        |           | 70.6      |        |           | 55.3      |        |            | 51.0      |        |           | 34.1      |        |           | 22.2      |        |           | 22.6 |    |  |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

34.—KATMANDU (2 observations daily).

[illegible]

35.—SIBSAGAR (2 observations daily).

|                                                     | JANUARY.    |           |        | FEBRUARY. |           |           | MARCH.    |           |        | APRIL.    |           |           | MAY.      |           |        | JUNE.     |           |           | JULY.     |           |        | AUGUST.   |           |           | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |
|-----------------------------------------------------|-------------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|
|                                                     | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |
| North . . .                                         | ...         | ...       | ...    | 1         | 2         | 3         | 1         | 1         | 2      | 1         | 2         | 3         | 3         | 4         | 7      | 1         | 2         | 3         | 1         | ...       | 1      | 4         | 2         | 6         | 4          | 4         | 8      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ... |     |
| North-East . . .                                    | 16          | 20        | 36     | 12        | 16        | 28        | 20        | 19        | 39     | 19        | 22        | 41        | 16        | 16        | 32     | 9         | 9         | 18        | 5         | 5         | 10     | 3         | 3         | 6         | 9          | 12        | 21     | 20        | 20        | 40     | 18        | 15        | 33     | 12        | 14  | 26  |
| East . . .                                          | 7           | 6         | 13     | ...       | 1         | 1         | 6         | 3         | 9      | 5         | ...       | 5         | 6         | 3         | 9      | 2         | 1         | 3         | 1         | ...       | 1      | 1         | 3         | 4         | 1          | 1         | 2      | 4         | 5         | 9      | 10        | 9         | 19     | 9         | 8   | 17  |
| South-East . . .                                    | 3           | 2         | 5      | 2         | ...       | 2         | ...       | ...       | ...    | ...       | 1         | 1         | ...       | ...       | ...    | 2         | 2         | 4         | 2         | 2         | 1      | 2         | 3         | 4         | 2          | 6         | 3      | 2         | 5         | 1      | 2         | 3         | 3      | 1         | 4   |     |
| South . . .                                         | 1           | 1         | 2      | 3         | ...       | 3         | 1         | 2         | 3      | 2         | 3         | 5         | 2         | 3         | 5      | 2         | 2         | 4         | 3         | 1         | 4      | 2         | 3         | 5         | 1          | ...       | 1      | ...       | ...       | ...    | ...       | ...       | 5      | 3         | 8   |     |
| South-West . . .                                    | 1           | 1         | 2      | 10        | 7         | 17        | 3         | 4         | 7      | 1         | 1         | 2         | 3         | 3         | 6      | 10        | 10        | 20        | 18        | 19        | 37     | 15        | 12        | 27        | 9          | 9         | 18     | 2         | 1         | 3      | ...       | ...       | ...    | ...       | 2   | 2   |
| West . . .                                          | 1           | ...       | 1      | ...       | ...       | ...       | ...       | 1         | 1      | ...       | ...       | ...       | ...       | 1         | 1      | ...       | 1         | 1         | 2         | 4         | 6      | 3         | 3         | 6         | 1          | 2         | 3      | ...       | ...       | ...    | ...       | ...       | ...    | 1         | 1   |     |
| North-West . . .                                    | ...         | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | 1         | 1         | 2      | 2         | 3         | 5         | 1         | ...       | 1      | 2         | 3         | 5         | 1          | ...       | 1      | 1         | 1         | 2      | ...       | ...       | ...    | ...       | ... | ... |
| Calm . . .                                          | 2           | 1         | 3      | ...       | 2         | 2         | ...       | 1         | 1      | 2         | 1         | 3         | ...       | ...       | ...    | 2         | ...       | 2         | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | 1         | 1         | 2      | 1         | 4         | 5      | 2         | 2   | 4   |
| Variable . . .                                      | ...         | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |
| Resultant {                                         | Percentage  | 70        |        | 21        |           | 60        |           | 69        |        | 53        |           | 29        |           | 53        |        | 36        |           | 12        |           | 72        |        | 82        |           | 59        |            |           |        |           |           |        |           |           |        |           |     |     |
|                                                     | Direction . | N. 65° E. |        | N. 58° E. |           | N. 55° E. |           | N. 53° E. |        | N. 49° E. |           | S. 4° W.  |           | S. 46° W. |        | S. 56° W. |           | N. 40° E. |           | N. 56° E. |        | N. 65° E. |           | N. 80° E. |            |           |        |           |           |        |           |           |        |           |     |     |
| Mean diurnal velocity of wind in miles . . .        |             | 52.1      |        | 52.8      |           | 66.9      |           | 67.9      |        | 61.7      |           | 63.1      |           | 62.1      |        | 63.1      |           | 66.7      |           | 55.7      |        | 51.0      |           | 42.1      |            |           |        |           |           |        |           |           |        |           |     |     |
| Average Resultant {                                 | Percentage  | 47        |        | 53        |           | 56        |           | 51        |        | 34        |           | 14        |           | 8         |        | 7         |           | 17        |           | 50        |        | 65        |           | 58        |            |           |        |           |           |        |           |           |        |           |     |     |
|                                                     | Direction . | N. 62° E. |        | N. 61° E. |           | N. 61° E. |           | N. 61° E. |        | N. 57° E. |           | S. 83° E. |           | S. 11° W. |        | S. 57° W. |           | N. 66° E. |           | N. 66° E. |        | N. 64° E. |           | N. 67° E. |            |           |        |           |           |        |           |           |        |           |     |     |
| 10 Years.                                           |             |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |           |            |           |        |           |           |        |           |           |        |           |     |     |
| Average diurnal velocity of wind in miles 13 Years. |             | 43.0      |        | 53.3      |           | 68.7      |           | 69.6      |        | 69.9      |           | 63.1      |           | 67.3      |        | 64.4      |           | 60.8      |           | 48.9      |        | 40.1      |           | 37.7      |            |           |        |           |           |        |           |           |        |           |     |     |



TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1836.

37.—DHUBRI (2 to 4 observations daily).

|                                                    | JANUARY.    |           |           |           |        | FEBRUARY. |           |           |           |           | MARCH.   |           |           |           |        | APRIL.   |           |           |           |        | MAY.     |           |           |           |        | JUNE.    |           |           |           |        |     |
|----------------------------------------------------|-------------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|--------|----------|-----------|-----------|-----------|--------|----------|-----------|-----------|-----------|--------|----------|-----------|-----------|-----------|--------|-----|
|                                                    | 4 hours.    | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total.    | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Total. |     |
| North . . . . .                                    | ...         | ...       | ...       | ...       | ...    | ...       | 4         | ...       | ...       | 4         | 1        | ...       | 1         | ...       | 2      | 2        | ...       | 1         | 1         | 4      | 3        | 5         | 2         | 2         | 12     | 2        | 2         | 2         | 1         | 7      |     |
| North-East . . . . .                               | 5           | 7         | 7         | 4         | 23     | 3         | 3         | 6         | 1         | 13        | 6        | 3         | 3         | 4         | 16     | 7        | 9         | 8         | 4         | 28     | 10       | 12        | 11        | 9         | 42     | 11       | 15        | 9         | 6         | 41     |     |
| East . . . . .                                     | 6           | 11        | 8         | 7         | 32     | 9         | 9         | 12        | 10        | 40        | 10       | 9         | 12        | 14        | 45     | 9        | 12        | 6         | 7         | 34     | 6        | 7         | 3         | 5         | 21     | 3        | 4         | 2         | 2         | 11     |     |
| South-East . . . . .                               | ...         | 3         | 2         | 1         | 6      | 1         | ...       | 4         | 1         | 6         | 2        | 2         | 5         | 3         | 12     | 2        | 3         | 2         | 2         | 9      | 3        | 1         | 1         | 2         | 7      | 2        | ...       | 1         | 1         | 4      |     |
| South . . . . .                                    | 2           | 3         | 2         | 1         | 8      | ...       | ...       | ...       | ...       | ...       | ...      | ...       | 1         | ...       | 1      | 4        | 2         | 3         | 4         | 13     | 3        | 1         | 3         | 3         | 10     | 4        | 3         | 9         | 4         | 20     |     |
| South-West . . . . .                               | 6           | 5         | 8         | 4         | 23     | ...       | ...       | ...       | ...       | ...       | 1        | ...       | ...       | 1         | 2      | 3        | 3         | 7         | 8         | 21     | 3        | 1         | 6         | 3         | 13     | 1        | 2         | 3         | 1         | 7      |     |
| West . . . . .                                     | 1           | 1         | ...       | ...       | 2      | 2         | 3         | 2         | 3         | 10        | 5        | 10        | 5         | 6         | 26     | 1        | 1         | 3         | 2         | 7      | ...      | 1         | 1         | 1         | 3      | 1        | ...       | ...       | ...       | 1      | 1   |
| North-West . . . . .                               | ...         | ...       | ...       | 1         | 1      | 3         | 5         | 2         | 2         | 12        | 4        | 6         | 3         | 2         | 15     | 1        | ...       | ...       | 1         | 2      | 2        | 1         | 1         | 1         | 5      | ...      | 4         | 2         | 1         | 7      |     |
| Calm . . . . .                                     | 11          | 1         | 4         | 13        | 29     | 10        | 4         | 2         | 11        | 27        | 2        | 1         | ...       | 1         | 4      | ...      | ...       | ...       | ...       | ...    | 1        | 2         | 3         | 5         | 11     | 6        | ...       | 2         | 13        | 21     |     |
| Variable . . . . .                                 | ...         | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ... |
| Resultant {                                        | Percentage  | 29        |           |           |        | 35        |           |           |           | 24        |          |           |           | 32        |        |          |           | 36        |           |        |          | 29        |           |           |        |          |           |           |           |        |     |
|                                                    | Direction . | S. 71° E. |           |           |        | N. 63° E. |           |           |           | N. 64° E. |          |           |           | S. 76° E. |        |          |           | N. 62° E. |           |        |          | N. 68° E. |           |           |        |          |           |           |           |        |     |
| Mean diurnal velocity of wind in miles . . . . .   |             | 79.8      |           |           |        | 90.2      |           |           |           | 162.4     |          |           |           | 206.5     |        |          |           | 161.9     |           |        |          | 97.4      |           |           |        |          |           |           |           |        |     |
| Average Resultant {                                | Percentage  | 21        |           |           |        | 10        |           |           |           | 12        |          |           |           | 32        |        |          |           | 27        |           |        |          | 29        |           |           |        |          |           |           |           |        |     |
|                                                    | Direction . | N. 85° E. |           |           |        | S. 20° E. |           |           |           | S. 63° E. |          |           |           | S. 84° E. |        |          |           | N. 63° E. |           |        |          | S. 81° E. |           |           |        |          |           |           |           |        |     |
| Average diurnal velocity of wind in miles 5 Years. |             | 87.7      |           |           |        | 93.8      |           |           |           | 138.1     |          |           |           | 184.3     |        |          |           | 171.9     |           |        |          | 115.6     |           |           |        |          |           |           |           |        |     |

|                                                      | JULY.       |           |           |           |        | AUGUST.   |           |        | SEPTEMBER. |           |           |           |        | OCTOBER.  |           |           |           |        | NOVEMBER. |           |           |           |        | DECEMBER. |           |           |           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------------------------------------|-------------|-----------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                                                      | 4 hours.    | 10 hours. | 16 hours. | 22 hours. | Total. | 10 hours. | 16 hours. | Total. | 4 hours.   | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| North . . . . .                                      | 1           | 3         | 1         | 2         | 7      | 1         | ...       | 1      | Imperfect. | 6         | 1         | 3         | 3      | 13        | 1         | ...       | 1         | 3      | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| North-East . . . . .                                 | 7           | 4         | 2         | 5         | 18     | 5         | 2         | 7      |            |           |           |           |        |           |           |           |           |        |           |           |           |           |        |           |           |           |           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| East . . . . .                                       | 5           | 5         | 3         | 3         | 16     | 3         | 1         | 4      |            |           |           |           |        |           |           |           |           |        |           |           |           |           |        |           |           |           |           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| South-East . . . . .                                 | 3           | 5         | 5         | 3         | 16     | 1         | 1         | 2      |            |           |           |           |        |           |           |           |           |        |           |           |           |           |        |           |           |           |           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| South . . . . .                                      | 4           | 6         | 10        | 5         | 25     | 4         | 5         | 9      |            |           |           |           |        |           |           |           |           |        |           |           |           |           |        |           |           |           |           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| South-West . . . . .                                 | 3           | 2         | 4         | 4         | 13     | 1         | 8         | 9      |            |           |           |           |        |           |           |           |           |        |           |           |           |           |        |           |           |           |           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| West . . . . .                                       | ...         | 1         | ...       | ...       | 1      | 1         | 2         | 3      |            |           |           |           |        |           |           |           |           |        |           |           |           |           |        |           |           |           |           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| North-West . . . . .                                 | ...         | 1         | 1         | ...       | 2      | 2         | 1         | 3      |            |           |           |           |        |           |           |           |           |        |           |           |           |           |        |           |           |           |           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Calm . . . . .                                       | 3           | ...       | 3         | 5         | 11     | 13        | 11        | 24     |            |           |           |           |        |           |           |           |           |        |           |           |           |           |        |           |           |           |           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Variable . . . . .                                   | ...         | ...       | ...       | ...       | ...    | ...       | ...       | ...    |            |           |           |           |        |           |           |           |           |        |           |           |           |           |        |           |           |           |           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Resultant {                                          | Percentage  | 34        |           |           |        | 14        |           |        |            |           |           |           |        | 25        |           |           |           |        | 81        |           |           |           |        | 75        |           |           |           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                      | Direction . | S. 49° E. |           |           |        | S. 7° W.  |           |        | ?          |           |           |           |        | N. 68° E. |           |           |           |        | N. 63° E. |           |           |           |        | N. 57° E. |           |           |           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mean diurnal velocity of wind in miles . . . . .     |             | 95.6      |           |           |        | 88.2      |           |        | ?          |           |           |           |        | ?         |           |           |           |        | 179.5     |           |           |           |        | 121.5     |           |           |           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Average Resultant {                                  | Percentage  | 25        |           |           |        | 21        |           |        | 25         |           |           |           |        | 31        |           |           |           |        | 64        |           |           |           |        | 57        |           |           |           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                      | Direction . | S. 65° E. |           |           |        | S. 44° E. |           |        | S. 80° E.  |           |           |           |        | N. 57° E. |           |           |           |        | N. 60° E. |           |           |           |        | N. 65° E. |           |           |           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Average diurnal velocity of wind in miles 5-6 Years. |             | 90.9      |           |           |        | 76.2      |           |        | 76.1       |           |           |           |        | 64.8      |           |           |           |        | 121.3     |           |           |           |        | 111.2     |           |           |           |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 38.—TURA. (2 observations daily).

|                                                  | JANUARY.      |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |     |  |  |
|--------------------------------------------------|---------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|-----|--|--|
|                                                  | 10 hours.     | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |     |  |  |
| North . . .                                      | ...           | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 2         | ...       | 2      | ...       | ...       | ...    | 2         | 2         | 4      | 1         | 1         | 2      | ...        | ..        | ...    | 2         | 3         | 5      | ...       | ...       | ...    | 1         | ... | 1   |     |  |  |
| North-East . . .                                 | 3             | ...       | 3      | 4         | ...       | 4      | 1         | ...       | 1      | 1         | 3         | 4      | 2         | 3         | 5      | 2         | ...       | 2      | 1         | 1         | 2      | 3         | 1         | 4      | 2          | 2         | 4      | 4         | ...       | 4      | ...       | 2         | 2      | ...       | ... | ... |     |  |  |
| East . . .                                       | 18            | ...       | 18     | 11        | ...       | 11     | 4         | 1         | 5      | 3         | 4         | 7      | 2         | 2         | 4      | 1         | 4         | 5      | ...       | ...       | ...    | 2         | 2         | 4      | 6          | 3         | 9      | 14        | 4         | 18     | 14        | 1         | 15     | 20        | 2   | 22  |     |  |  |
| South-East . . .                                 | 5             | 4         | 9      | 8         | ...       | 8      | 9         | 1         | 10     | 8         | 3         | 11     | 1         | 4         | 5      | 13        | 4         | 17     | 11        | 5         | 16     | 4         | 8         | 12     | 5          | 3         | 8      | 5         | 1         | 6      | 8         | 2         | 10     | 4         | 2   | 6   |     |  |  |
| South . . .                                      | 5             | 4         | 9      | 3         | 3         | 6      | 4         | 3         | 7      | 8         | 6         | 14     | 13        | 6         | 19     | 6         | 8         | 14     | 11        | 14        | 25     | 13        | 5         | 18     | 10         | 11        | 21     | 4         | 3         | 7      | 1         | 9         | 10     | 5         | 7   | 12  |     |  |  |
| South-West . . .                                 | ...           | 22        | 22     | 2         | 25        | 27     | 11        | 24        | 35     | 10        | 14        | 24     | 9         | 14        | 23     | 7         | 10        | 17     | 6         | 9         | 15     | 8         | 11        | 19     | 7          | 10        | 17     | 1         | 17        | 18     | 7         | 10        | 17     | ...       | 4   | 4   |     |  |  |
| West . . .                                       | ...           | ...       | ...    | ...       | ...       | ...    | 1         | 1         | 2      | ...       | ...       | ...    | ...       | 1         | 1      | ...       | 3         | 3      | ...       | ...       | ...    | ...       | 3         | 3      | ...        | 1         | 1      | ...       | 3         | 3      | ...       | 5         | 5      | 1         | 14  | 15  |     |  |  |
| North-West . . .                                 | ...           | ...       | ...    | ...       | ...       | ...    | 1         | 1         | 2      | ...       | ...       | ...    | 2         | 1         | 3      | 1         | 1         | 2      | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | 1         | ...       | 1      | ...       | 1         | 1      | ...       | 2   | 2   |     |  |  |
| Calm . . .                                       | ...           | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |     |  |  |
| Variable . . .                                   | ...           | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |     |  |  |
| Resultant {                                      | 48            |           |        | 50        |           |        | 64        |           |        | 60        |           |        | 52        |           |        | 59        |           |        | 67        |           |        | 57        |           |        | 60         |           |        | 29        |           |        | 46        |           |        | 29        |     |     |     |  |  |
|                                                  | S. 21° E.     |           |        | S. 1° E.  |           |        | S. 23° W. |           |        | S. 1° E.  |           |        | S. 15° W. |           |        | S. 3° E.  |           |        | S. 3° E.  |           |        | S. 2° W.  |           |        | S. 7° E.   |           |        | S. 29° E. |           |        | S. 12° E. |           |        | S. 23° E. |     |     |     |  |  |
| Mean diurnal velocity of wind in miles . . .     | Not recorded. |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |     |     |  |  |
| Average Resultant {                              | 53            |           |        | 62        |           |        | 68        |           |        | 71        |           |        | 59        |           |        | 62        |           |        | 62        |           |        | 57        |           |        | 51         |           |        | 39        |           |        | 44        |           |        | 41        |     |     |     |  |  |
|                                                  | S. 1° W.      |           |        | S. 10° W. |           |        | S. 16° W. |           |        | S. 6° W.  |           |        | S. 7° W.  |           |        | S.        |           |        | S. 4° W.  |           |        | S. 2° W.  |           |        | S. 8° W.   |           |        | S. 18° E. |           |        | S. 25° E. |           |        | S. 28° E. |     |     |     |  |  |
| 3-4 Years.                                       |               |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |     |     |  |  |
| Average diurnal velocity of wind in miles Years. | ...           |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...        |           |        | ...       |           |        | ...       |           |        | ...       |     |     | ... |  |  |

## 39.—SILCHAR. (2 observations daily).

|                                                       | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |      |     |  |
|-------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|------|-----|--|
|                                                       | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |      |     |  |
| North . . .                                           | ..        | 2         | 2      | ...       | ...       | ...    | 1         | 1         | 2      | ...       | .         | ...    | 1         | ...       | 1      | ...       | 1         | ...    | 3         | 3         | 3      | 1         | 4         | 2      | 1          | 3         | 2      | 1         | 3         | ...    | 1         | 1         | ...    | ...       | ...  |     |  |
| North-East . . .                                      | 2         | 1         | 3      | 3         | 2         | 5      | 10        | 3         | 13     | 4         | 3         | 7      | 5         | 2         | 7      | 2         | 4         | 6      | 4         | 1         | 5      | 8         | 2         | 10     | 5          | 1         | 6      | 7         | 5         | 12     | 8         | 2         | 10     | 1         | 2    | 3   |  |
| East . . .                                            | 9         | ...       | 9      | 13        | 2         | 15     | 12        | 3         | 15     | 13        | 3         | 16     | 5         | 4         | 9      | 6         | 2         | 8      | 5         | 1         | 6      | 7         | ...       | 7      | 4          | 1         | 5      | 9         | 1         | 10     | 18        | 5         | 23     | 11        | 4    | 15  |  |
| South-East . . .                                      | 11        | 3         | 14     | 6         | ...       | 6      | 3         | 2         | 5      | 3         | 2         | 5      | 5         | 2         | 7      | 4         | 3         | 7      | 3         | 4         | 7      | 2         | 1         | 3      | 3          | 1         | 4      | 2         | 1         | 3      | 3         | 1         | 4      | 5         | 2    | 7   |  |
| South . . .                                           | 1         | 7         | 8      | 1         | 4         | 5      | 2         | 3         | 5      | 1         | 4         | 5      | ...       | ...       | ...    | 3         | ...       | 3      | 6         | 6         | 12     | 2         | 4         | 6      | 2          | 2         | 4      | 1         | 3         | 4      | 1         | ...       | 1      | 1         | 4    | 5   |  |
| South-West . . .                                      | ...       | 11        | 11     | 1         | 16        | 17     | ...       | 5         | 5      | ...       | 2         | 2      | 1         | 3         | 4      | 3         | 2         | 5      | ...       | 2         | 2      | 3         | 7         | 10     | 3          | 3         | 6      | 1         | 4         | 5      | ...       | 4         | 4      | ...       | 7    | 7   |  |
| West . . .                                            | ...       | 5         | 5      | ...       | 4         | 4      | 1         | 8         | 9      | 1         | 9         | 10     | 1         | 10        | 11     | 3         | 10        | 13     | 1         | 5         | 6      | 3         | 10        | 13     | 2          | 13        | 15     | ...       | 7         | 7      | ...       | 2         | 2      | ...       | 4    | 4   |  |
| North-West . . .                                      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | 2         | 2      | 1         | 3         | 4      | 1         | 5         | 6      | 3         | 5         | 8      | 1         | 5         | 6      | 1         | 6         | 7      | 1          | 5         | 6      | ...       | 7         | 7      | ...       | 1         | 1      | 1         | ...  | 1   |  |
| Calm . . .                                            | 8         | 2         | 10     | 4         | ...       | 4      | 2         | 4         | 6      | 7         | 4         | 11     | 12        | 5         | 17     | 6         | 3         | 9      | 11        | 4         | 15     | 2         | ...       | 2      | 8          | 3         | 11     | 9         | 2         | 11     | ...       | 14        | 14     | 12        | 8    | 20  |  |
| Variable . . .                                        | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...  | ... |  |
| Resultant {                                           | 37        |           |        | 34        |           |        | 22        |           |        | 17        |           |        | 4         |           |        | 8         |           |        | 13        |           |        | 14        |           |        | 19         |           |        | 14        |           |        | 46        |           |        | 28        |      |     |  |
|                                                       | S. 21° E. |           |        | S. 21° E. |           |        | N. 88° E. |           |        | S. 78° E. |           |        | N. 19° E. |           |        | S. 83° W. |           |        | S. 20° E. |           |        | N. 85° W. |           |        | N. 88° W.  |           |        | N. 37° E. |           |        | N. 86° E. |           |        | S. 46° E. |      |     |  |
| Mean diurnal velocity of wind in miles .              |           | 47.5      |        |           | 69.2      |        |           | 83.5      |        |           | 84.6      |        |           | 70.5      |        |           | 81.4      |        |           | 83.4      |        |           | 88.9      |        |            | 63.5      |        |           | 51.3      |        |           | 53.9      |        |           | 47.4 |     |  |
| Average Resultant {                                   | 27        |           |        | 25        |           |        | 22        |           |        | 21        |           |        | 10        |           |        | 9         |           |        | 3         |           |        | 7         |           |        | 2          |           |        | 9         |           |        | 30        |           |        | 35        |      |     |  |
|                                                       | S. 29° E. |           |        | S. 33° E. |           |        | S. 60° E. |           |        | S. 86° E. |           |        | N. 75° E. |           |        | N. 58° E. |           |        | N. 6° W.  |           |        | S. 63° W. |           |        | S. 89° W.  |           |        | S. 56° E. |           |        | S. 77° E. |           |        | S. 57° E. |      |     |  |
| Average diurnal velocity of wind in miles 14-15 Years |           | 48.7      |        |           | 67.2      |        |           | 78.1      |        |           | 84.2      |        |           | 82.4      |        |           | 74.8      |        |           | 74.9      |        |           | 73.3      |        |            | 65.0      |        |           | 51.7      |        |           | 49.8      |        |           | 45.4 |     |  |



TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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## 40.—DARJEELING (2 &amp; 4 observations daily).

|                                             | JANUARY.* |           |        | FEBRUARY. |           |           |           |        | MARCH.    |           |           |           |        | APRIL.    |           |           |           |        | MAY.*     |           |        | JUNE.     |           |           |           |        |
|---------------------------------------------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|
|                                             | 10 hours. | 16 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 10 hours. | 16 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . .                               | 1         | ..        | 1      | ..        | ..        | ..        | 1         | 1      | ..        | ..        | 2         | ..        | 2      | ..        | 1         | ..        | 1         | 2      | ..        | ..        | ..     | 2         | 1         | ..        | 1         | 4      |
| North-East . . .                            | 1         | 1         | 2      | 1         | 1         | ..        | ..        | 2      | ..        | ..        | ..        | ..        | ..     | ..        | 1         | 1         | ..        | 2      | 10        | ..        | 10     | 3         | 3         | 1         | 1         | 8      |
| East . . . . .                              | 4         | 1         | 5      | 3         | 5         | 1         | 1         | 10     | ..        | 5         | ..        | 1         | 6      | ..        | 1         | ..        | ..        | 1      | 4         | ..        | 4      | 4         | 8         | 6         | 6         | 24     |
| South-East . . .                            | 1         | 1         | 2      | 3         | 8         | 2         | ..        | 13     | 3         | 6         | ..        | ..        | 9      | ..        | 3         | ..        | ..        | 3      | ..        | 1         | 1      | 2         | 6         | 5         | 5         | 18     |
| South . . . . .                             | ..        | ..        | ..     | 2         | 3         | 2         | 3         | 10     | 1         | 4         | 2         | 2         | 9      | 1         | 5         | 5         | 2         | 13     | ..        | ..        | ..     | 4         | 3         | 4         | 7         | 18     |
| South-West . . .                            | 1         | 5         | 6      | 3         | 2         | 4         | 4         | 13     | 5         | 4         | 12        | 7         | 28     | 8         | 4         | 9         | 9         | 30     | 5         | 3         | 8      | 8         | 3         | 7         | 7         | 25     |
| West . . . . .                              | 2         | 10        | 12     | 6         | 3         | 7         | 5         | 21     | 9         | 2         | 7         | 9         | 27     | 4         | 1         | 3         | 7         | 15     | 3         | 13        | 16     | 2         | 1         | 2         | ..        | 5      |
| North-West . . .                            | ..        | 1         | 1      | 1         | 1         | 1         | 2         | 5      | 1         | 2         | 1         | ..        | 4      | 1         | ..        | ..        | ..        | 1      | 2         | 4         | 6      | 1         | ..        | ..        | ..        | 1      |
| Calm . . . . .                              | 20        | 10        | 30     | 3         | 1         | 3         | 3         | 10     | 5         | 1         | 1         | 5         | 12     | 3         | 1         | 1         | 1         | 6      | 7         | 4         | 11     | ..        | 2         | ..        | ..        | 2      |
| Variable . . . .                            | ..        | ..        | ..     | ..        | ..        | ..        | ..        | ..     | ..        | ..        | ..        | ..        | ..     | ..        | ..        | ..        | ..        | ..     | ..        | ..        | ..     | ..        | ..        | ..        | ..        | ..     |
| Resultant { Percentage                      | 16        |           |        | 31        |           |           |           |        | 50        |           |           |           |        | 63        |           |           |           |        | 27        |           |        | 40        |           |           |           |        |
| Direction .                                 | S. 74° W. |           |        | S. 30° W. |           |           |           |        | S. 51° W. |           |           |           |        | S. 45° W. |           |           |           |        | N. 71° W. |           |        | S. 27° E. |           |           |           |        |
| Mean diurnal velocity of wind in miles .    | 61.3      |           |        | 91.5      |           |           |           |        | 156.1     |           |           |           |        | 226.7     |           |           |           |        | 141.4     |           |        | 175.2     |           |           |           |        |
| Average Resultant { Percentage              | 22        |           |        | 30        |           |           |           |        | 44        |           |           |           |        | 52        |           |           |           |        | 46        |           |        | 15        |           |           |           |        |
| Direction .                                 | S. 84° W. |           |        | S. 70° W. |           |           |           |        | S. 69° W. |           |           |           |        | S. 65° W. |           |           |           |        | S. 79° W. |           |        | S. 38° E. |           |           |           |        |
| 3-5 Years.                                  | ..        |           |        | ..        |           |           |           |        | ..        |           |           |           |        | ..        |           |           |           |        | ..        |           |        | ..        |           |           |           |        |
| Average diurnal velocity of wind in miles . | 58.9      |           |        | 131.7     |           |           |           |        | 167.5     |           |           |           |        | 215.4     |           |           |           |        | 152.8     |           |        | 118.7     |           |           |           |        |
| 4-5 Years.                                  | ..        |           |        | ..        |           |           |           |        | ..        |           |           |           |        | ..        |           |           |           |        | ..        |           |        | ..        |           |           |           |        |

|                                             | JULY.     |           |           |           |        | AUGUST.   |           |           |           |        | SEPTEMBER.* |           |        | OCTOBER.* |           |        | NOVEMBER.* |           |        | DECEMBER. |           |           |           |        |
|---------------------------------------------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-------------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|-----------|-----------|--------|
|                                             | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                             | 2         | ..        | ..        | ..        | 2      | ..        | ..        | ..        | ..        | ..     | 1           | ..        | 1      | ..        | 1         | 1      | ..         | ..        | ..     | 1         | ..        | ..        | 1         | 2      |
| North-East . . .                            | 4         | 2         | 1         | 2         | 9      | 2         | ..        | 1         | ..        | 3      | 3           | 3         | 6      | 1         | ..        | 1      | 3          | ..        | 3      | 1         | 2         | 1         | ..        | 4      |
| East . . . . .                              | 6         | 14        | 8         | 7         | 35     | 5         | 8         | 4         | 3         | 20     | 4           | 1         | 5      | ..        | ..        | ..     | 5          | 2         | 7      | 2         | 4         | 1         | 3         | 10     |
| South-East . . .                            | 4         | 6         | 11        | 12        | 33     | 2         | 3         | 3         | 6         | 14     | 1           | ..        | 1      | ..        | ..        | ..     | 3          | 1         | 4      | 2         | 3         | 4         | 2         | 11     |
| South . . . . .                             | 4         | ..        | 7         | 4         | 15     | 2         | 1         | 2         | 2         | 7      | ..          | ..        | ..     | ..        | 1         | 1      | 1          | ..        | 1      | 2         | 4         | 2         | 1         | 9      |
| South-West . . .                            | 3         | 3         | 2         | 3         | 11     | 2         | 3         | 3         | 2         | 10     | 2           | 1         | 3      | 1         | 5         | 6      | 4          | 4         | 8      | 4         | 2         | 6         | 4         | 16     |
| West . . . . .                              | 3         | 2         | 1         | 1         | 7      | 3         | 2         | 1         | 1         | 7      | 2           | 3         | 5      | 1         | 10        | 11     | ..         | 12        | 12     | 5         | 4         | 6         | 5         | 20     |
| North-West . . .                            | 1         | ..        | ..        | 1         | 2      | ..        | ..        | 1         | 1         | 2      | ..          | 1         | 1      | 1         | 1         | 2      | ..         | 3         | 3      | 2         | ..        | ..        | 1         | 3      |
| Calm . . . . .                              | 1         | ..        | ..        | ..        | 1      | ..        | ..        | ..        | ..        | ..     | 17          | 19        | 36     | 26        | 10        | 36     | 14         | 8         | 22     | ..        | ..        | ..        | 2         | 2      |
| Variable . . . .                            | ..        | ..        | ..        | ..        | ..     | ..        | ..        | ..        | ..        | ..     | ..          | ..        | ..     | ..        | ..        | ..     | ..         | ..        | ..     | ..        | ..        | ..        | ..        | ..     |
| Resultant { Percentage                      | 53        |           |           |           |        | 42        |           |           |           |        | 7           |           |        | 28        |           |        | 16         |           |        | 32        |           |           |           |        |
| Direction .                                 | S. 53° E. |           |           |           |        | S. 39° E. |           |           |           |        | N. 34° E.   |           |        | S. 82° W. |           |        | S. 56° W.  |           |        | S. 31° W. |           |           |           |        |
| Mean diurnal velocity of wind in miles .    | 135.6     |           |           |           |        | 202.3     |           |           |           |        | 91.1        |           |        | 61.8      |           |        | 60.4       |           |        | 96.2      |           |           |           |        |
| Average Resultant { Percentage              | 44        |           |           |           |        | 31        |           |           |           |        | 12          |           |        | 5         |           |        | 8          |           |        | 10        |           |           |           |        |
| Direction .                                 | S. 78° E. |           |           |           |        | S. 82° E. |           |           |           |        | S. 72° E.   |           |        | S. 3° E.  |           |        | N. 61° W.  |           |        | S. 53° W. |           |           |           |        |
| 4-5 Years.                                  | ..        |           |           |           |        | ..        |           |           |           |        | ..          |           |        | ..        |           |        | ..         |           |        | ..        |           |           |           |        |
| Average diurnal velocity of wind in miles . | 65.6      |           |           |           |        | 86.9      |           |           |           |        | 79.3        |           |        | 64.8      |           |        | 41.6       |           |        | 48.2      |           |           |           |        |
| 5 Years.                                    | ..        |           |           |           |        | ..        |           |           |           |        | ..          |           |        | ..        |           |        | ..         |           |        | ..        |           |           |           |        |

\* Observations from the wind vane.

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TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 41.—PURNEAH (2 observations daily).

|                                             | JANUARY.      |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |           | MAY.          |                |               | JUNE.     |           |        | JULY.     |           |        | AUGUST.       |               |               | SEPTEMBER.    |               |               | OCTOBER.      |               |               | NOVEMBER.     |               |        | DECEMBER. |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|---------------------------------------------|---------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|-----------|---------------|----------------|---------------|-----------|-----------|--------|-----------|-----------|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                             | 10 hours.     | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours.     | 16 hours.      | Total.        | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.     | 16 hours.     | Total.        | 10 hours.     | 16 hours.     | Total.        | 10 hours.     | 16 hours.     | Total.        | 10 hours.     | 16 hours.     | Total. |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| North . . .                                 | ...           | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...       | Not recorded. | Untrustworthy. | Not recorded. | Ditto.    | Ditto.    | Ditto. | ...       | 1         | 1      | Not recorded. | Not recorded. | Not recorded. | Not recorded. | Not recorded. | Not recorded. | Not recorded. | Not recorded. | Not recorded. | Not recorded. | Not recorded. |        |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| North-East . . .                            | ...           | ...       | ...    | ...       | ...       | ...    | 1         | ...       | 1      | 1         | 1         | 1         |               |                |               |           |           |        | ...       | ...       | ...    |               |               |               |               |               |               |               |               |               |               |               | ...    | ...       | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| East . . .                                  | ...           | ...       | ...    | 1         | ...       | 1      | 1         | ...       | 1      | 6         | 2         | 8         |               |                |               |           |           |        | ...       | ...       | ...    |               |               |               |               |               |               |               |               |               |               |               | ...    | ...       | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| South-East . . .                            | ...           | ...       | ...    | 1         | ...       | 1      | ...       | 1         | 1      | 1         | 1         | 2         |               |                |               |           |           |        | ...       | ...       | ...    |               |               |               |               |               |               |               |               |               |               |               | ...    | ...       | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| South . . .                                 | ...           | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...       |               |                |               |           |           |        | ...       | ...       | ...    |               |               |               |               |               |               |               |               |               |               |               | ...    | ...       | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| South-West . . .                            | ...           | ...       | ...    | ...       | 2         | 2      | ...       | ...       | ...    | ...       | 1         | 1         |               |                |               |           |           |        | ...       | ...       | ...    |               |               |               |               |               |               |               |               |               |               |               | ...    | ...       | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| West . . .                                  | 9             | 11        | 20     | 11        | 16        | 27     | 7         | 14        | 21     | 9         | 11        | 20        |               |                |               |           |           |        | ...       | ...       | ...    |               |               |               |               |               |               |               |               |               |               |               | ...    | ...       | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| North-West . . .                            | 1             | 2         | 3      | 2         | 1         | 3      | 1         | ...       | 1      | ...       | 1         | 1         |               |                |               |           |           |        | ...       | ...       | ...    |               |               |               |               |               |               |               |               |               |               |               | ...    | ...       | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Calm . . .                                  | 21            | 18        | 39     | 13        | 9         | 22     | 21        | 16        | 37     | 13        | 13        | 26        |               |                |               |           |           |        | ...       | ...       | ...    |               |               |               |               |               |               |               |               |               |               |               | ...    | ...       | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Variable . . .                              | ...           | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...       |               |                |               |           |           |        | ...       | ...       | ...    |               |               |               |               |               |               |               |               |               |               |               | ...    | ...       | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Resultant {                                 | Percentage    | 36        |        | 51        | 31        |        | 18        | ?         |        | ?         | ?         | ?         | ?             | ?              | ?             | ?         | ?         | ?      | ?         | ?         | ?      | ?             | ?             | ?             | ?             | ?             | ?             | ?             | ?             | ?             | ?             | ?             | ?      |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                             | Direction .   | N. 85° W. |        | W.        | N. 88° W. |        | W.        |           |        |           |           |           |               |                |               |           |           |        |           |           |        |               |               |               |               |               |               |               |               |               |               |               |        |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Mean diurnal velocity of wind in miles .    | Not recorded. |           |        | 40.6      |           |        | 36.7      |           |        | 31.9      |           |           | Not recorded. |                |               |           |           |        |           |           |        |               | 3.1           |               |               | Not recorded. |               |               |               |               |               |               |        |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Average Resultant {                         | Percentage    | 44        |        | 56        | 29        |        | 8         | 68        |        | 70        | 53        | 53        | 39            | 11             | 38            | 51        |           |        |           |           |        |               |               |               |               |               |               |               |               |               |               |               |        |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                             | Direction .   | N. 80° W. |        | W.        | N. 80° W. |        | N. 35° E. | N. 88° E. |        | N. 89° E. | S. 78° E. | S. 78° E. | S. 80° E.     | N. 14° E.      | N. 60° W.     | N. 69° W. |           |        |           |           |        |               |               |               |               |               |               |               |               |               |               |               |        |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 10 Years.                                   |               |           |        |           |           |        |           |           |        |           |           |           |               |                |               |           |           |        |           |           |        |               |               |               |               |               |               |               |               |               |               |               |        |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Average diurnal velocity of wind in miles . |               | 41.0      |        | 62.3      |           | 84.2   |           | 93.3      |        | 86.4      |           | 85.5      |               | 75.8           |               | 59.0      |           | 52.3   |           | 36.3      |        | 30.3          |               | 33.7          |               |               |               |               |               |               |               |               |        |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 7-10 Years.                                 |               |           |        |           |           |        |           |           |        |           |           |           |               |                |               |           |           |        |           |           |        |               |               |               |               |               |               |               |               |               |               |               |        |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

## 42.—DURBHUNGA (2 observations daily).

|                                                                        | JANUARY.    |           |        | FEBRUARY. |           |           | MARCH.    |           |        | APRIL.    |           |           | MAY.      |           |        | JUNE.     |           |           | JULY.     |           |        | AUGUST.   |           |           | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |
|------------------------------------------------------------------------|-------------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|
|                                                                        | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |
| North . . .                                                            | 2           | ...       | 2      | ...       | ...       | ...       | 1         | 1         | 2      | ...       | ...       | ...       | 1         | ...       | 1      | ...       | ...       | ...       | ...       | ...       | ...    | 3         | ...       | 3         | ...        | 1         | 1      | 1         | 2         | 3      | 2         | 2         | 4      | 2         | 1   | 3   |
| North-East . . .                                                       | ...         | 1         | 1      | ...       | 1         | 1         | ...       | ...       | ...    | 2         | ...       | 2         | 4         | 3         | 7      | 3         | 2         | 5         | 2         | 2         | 4      | 1         | 1         | 2         | 6          | 4         | 10     | 3         | 2         | 5      | 3         | 3         | 6      | 3         | 3   | 6   |
| East . . .                                                             | 1           | ...       | 1      | 3         | 1         | 4         | 7         | 4         | 11     | 10        | 3         | 13        | 18        | 13        | 31     | 16        | 10        | 26        | 16        | 10        | 26     | 15        | 9         | 24        | 14         | 14        | 28     | 6         | 4         | 10     | 5         | 2         | 7      | 6         | 3   | 9   |
| South-East . . .                                                       | ...         | ...       | ...    | 3         | 2         | 5         | 3         | 3         | 6      | 8         | 5         | 13        | 8         | 10        | 18     | 9         | 9         | 18        | 10        | 13        | 23     | 6         | 10        | 16        | 8          | 8         | 16     | 4         | 3         | 7      | 6         | 3         | 9      | 3         | 2   | 5   |
| South . . .                                                            | ...         | 1         | 1      | ...       | ...       | ...       | 1         | ...       | 1      | ...       | 1         | 1         | ...       | ...       | ...    | ...       | 1         | 1         | ...       | 1         | 1      | ...       | 1         | 1         | ...        | 2         | 2      | 1         | 1         | 2      | ...       | 2         | 2      | 2         | 4   |     |
| South-West . . .                                                       | 9           | 8         | 17     | 6         | 7         | 13        | 4         | 3         | 7      | 2         | 4         | 6         | ...       | ...       | ...    | 1         | 2         | 3         | 1         | 3         | 4      | 1         | 4         | 5         | 1          | ...       | 1      | 4         | 4         | 8      | 2         | 5         | 7      | 7         | 7   | 14  |
| West . . .                                                             | 13          | 17        | 30     | 11        | 14        | 25        | 10        | 12        | 22     | 6         | 13        | 19        | ...       | 2         | 2      | 1         | 3         | 4         | 1         | 2         | 3      | 3         | 5         | 8         | 1          | ...       | 1      | 7         | 10        | 17     | 7         | 9         | 16     | 6         | 10  | 16  |
| North-West . . .                                                       | 6           | 4         | 10     | 4         | 1         | 5         | 3         | 6         | 9      | 2         | 4         | 6         | ...       | 3         | 3      | ...       | 3         | 3         | 1         | ...       | 1      | 2         | 1         | 3         | ...        | 1         | 1      | 5         | 5         | 10     | 3         | 6         | 9      | 2         | 3   | 5   |
| Calm . . .                                                             | ...         | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |
| Variable . . .                                                         | ...         | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |
| Resultant {                                                            | Percentage  | 77        |        | 58        |           | 31        |           | 16        |        | 72        |           | 59        |           | 68        |        | 40        |           | 74        |           | 18        |        | 16        |           | 23        |            |           |        |           |           |        |           |           |        |           |     |     |
|                                                                        | Direction . | S. 86° W. |        | S. 74° W. |           | S. 84° W. |           | S. 24° W. |        | S. 84° E. |           | S. 73° E. |           | S. 67° E. |        | S. 68° E. |           | S. 83° E. |           | N. 85° W. |        | N. 82° W. |           | S. 62° W. |            |           |        |           |           |        |           |           |        |           |     |     |
| Mean diurnal velocity of wind in miles .                               |             | 63.1      |        | 93.8      |           | 143.7     |           | ?         |        | 137.6     |           | 126.4     |           | 119.8     |        | 99.9      |           | 83.3      |           | 41.0      |        | 31.7      |           | 46.6      |            |           |        |           |           |        |           |           |        |           |     |     |
| Average Resultant {                                                    | Percentage  | 47        |        | 46        |           | 27        |           | 8         |        | 59        |           | 71        |           | 58        |        | 60        |           | 54        |           | 3         |        | 55        |           | 58        |            |           |        |           |           |        |           |           |        |           |     |     |
|                                                                        | Direction . | S. 80° W. |        | S. 72° W. |           | S. 70° W. |           | S. 24° E. |        | S. 86° E. |           | S. 89° E. |           | S. 82° E. |        | S. 82° E. |           | S. 86° E. |           | N. 68° E. |        | S. 79° W. |           | S. 79° W. |            |           |        |           |           |        |           |           |        |           |     |     |
| 10 Years.<br>Average diurnal velocity of wind in miles.<br>9-11 Years. |             | 53.3      |        | 78.6      |           | 104.0     |           | 129.1     |        | 135.9     |           | 134.6     |           | 117.0     |        | 103.4     |           | 86.9      |           | 50.9      |        | 41.7      |           | 48.3      |            |           |        |           |           |        |           |           |        |           |     |     |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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## 43.—PATNA (2 observations daily).

|                                             | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |           |        |
|---------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|
|                                             | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |
| North . . . . .                             | 1         | ...       | 1      | ...       | 1         | 1      | 2         | 3         | 5      | ...       | 3         | 3      | 1         | 5         | 6      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...        | 1         | 1      | 2         | 3         | 5      | 2         | 5         | 7      | ...       | 1         | 1      |
| North-East . . . . .                        | ...       | ...       | ...    | ...       | ...       | ...    | 2         | 2         | 4      | 2         | 4         | 6      | 11        | 10        | 21     | 5         | 10        | 15     | 4         | 1         | 5      | 1         | 2         | 3      | 8          | 4         | 12     | 2         | 2         | 4      | 7         | 6         | 13     | 3         | 3         | 6      |
| East . . . . .                              | 2         | 4         | 6      | 2         | ...       | 2      | 3         | 3         | 6      | 12        | 1         | 13     | 15        | 11        | 26     | 15        | 10        | 25     | 15        | 15        | 30     | 12        | 11        | 23     | 8          | 10        | 18     | 7         | 7         | 14     | 4         | 1         | 5      | 3         | 1         | 4      |
| South-East . . . . .                        | ...       | ...       | ...    | 1         | ...       | 1      | 4         | 1         | 5      | ...       | ...       | ...    | 1         | ...       | 1      | 3         | ...       | 3      | 1         | 2         | 3      | 2         | 4         | 6      | 3          | 1         | 4      | 2         | 1         | 3      | 4         | ...       | 4      | ...       | 1         | 1      |
| South . . . . .                             | 7         | 2         | 9      | 2         | 2         | 4      | 4         | 1         | 5      | 2         | ...       | 2      | ...       | ...       | ...    | 1         | ...       | 1      | 5         | 2         | 7      | 5         | 2         | 7      | 3          | 5         | 8      | 4         | 4         | 8      | 2         | 1         | 3      | 4         | 1         | 5      |
| South-West . . . . .                        | 3         | 1         | 4      | 2         | ...       | 2      | 3         | ...       | 3      | 1         | ...       | 1      | ...       | ...       | ...    | 1         | ...       | 1      | ...       | 2         | 2      | 1         | 2         | 3      | 3          | ...       | 3      | 4         | 1         | 5      | 1         | ...       | 1      | 1         | ...       | 1      |
| West . . . . .                              | 16        | 20        | 36     | 16        | 16        | 32     | 9         | 2         | 11     | 8         | 8         | 16     | 1         | ...       | 1      | 3         | 2         | 5      | 6         | 8         | 14     | 9         | 8         | 17     | 1          | 1         | 2      | 3         | ...       | 3      | 5         | 3         | 8      | 13        | 9         | 22     |
| North-West . . . . .                        | 1         | 4         | 5      | 5         | 8         | 13     | 4         | 19        | 23     | 5         | 14        | 19     | 2         | 2         | 4      | 1         | 5         | 6      | ...       | ...       | ...    | 1         | 1         | 2      | 1          | 1         | 2      | 1         | 8         | 9      | 2         | 8         | 10     | 1         | 8         | 9      |
| Calm . . . . .                              | 1         | ...       | 1      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | 3         | 3      | 1         | 2         | 3      | ...       | 1         | 1      | ...       | 1         | 1      | 3          | 7         | 10     | 6         | 5         | 11     | 3         | 6         | 9      | 6         | 7         | 13     |
| Variable . . . . .                          | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |
| Resultant { Percentage                      | 60        |           |        | 72        |           |        | 35        |           |        | 37        |           |        | 71        |           |        | 50        |           |        | 35        |           |        | 21        |           |        | 40         |           |        | 10        |           |        | 28        |           |        | 34        |           |        |
| Direction .                                 | S. 79° W. |           |        | N. 84° W. |           |        | N. 52° W. |           |        | N. 36° W. |           |        | N. 59° E. |           |        | N. 67° E. |           |        | S. 71° E. |           |        | S. 42° E. |           |        | S. 85° E.  |           |        | N. 85° E. |           |        | N. 4° E.  |           |        | N. 76° W. |           |        |
| Mean diurnal velocity of wind in miles .    | 24'4      |           |        | 102'3     |           |        | 83'1      |           |        | 97'3      |           |        | 117'4     |           |        | 114'7     |           |        | ?         |           |        | ?         |           |        | 45'2       |           |        | 37'1      |           |        | 25'9      |           |        | 33'5      |           |        |
| Average Resultant { Percentage              | 45        |           |        | 47        |           |        | 48        |           |        | 27        |           |        | 38        |           |        | 45        |           |        | 41        |           |        | 34        |           |        | 42         |           |        | 4         |           |        | 29        |           |        | 52        |           |        |
| Direction .                                 | N. 83° W. |           |        | N. 79° W. |           |        | N. 74° W. |           |        | N. 38° W. |           |        | N. 54° E. |           |        | N. 73° E. |           |        | N. 85° E. |           |        | S. 19° E. |           |        | S. 77° E.  |           |        | N. 21° E. |           |        | N. 64° W. |           |        | N. 83° W. |           |        |
| Average diurnal velocity of wind in miles . | 47'6      |           |        | 69'8      |           |        | 82'3      |           |        | 105'6     |           |        | 111'7     |           |        | 100'7     |           |        | 85'1      |           |        | 77'2      |           |        | 69'4       |           |        | 44'5      |           |        | 35'1      |           |        | 39'4      |           |        |

## 44.—GYA (2 observations daily).

|                                             | JANUARY.    |           |        | FEBRUARY. |           |           | MARCH.    |           |        | APRIL.    |           |           | MAY.      |           |        | JUNE.     |           |           | JULY.     |           |        | AUGUST.   |           |           | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |
|---------------------------------------------|-------------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|
|                                             | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |
| North . . . . .                             | 5           | 7         | 12     | 2         | 2         | 4         | 2         | 3         | 5      | 2         | 3         | 5         | 9         | 9         | 18     | 5         | 8         | 13        | 8         | 6         | 14     | 6         | 6         | 12        | 9          | 7         | 16     | 6         | 9         | 15     | 12        | 6         | 18     | 3         | 1   | 4   |
| North-East . . . . .                        | 2           | 1         | 3      | 1         | 1         | 2         | 2         | 1         | 3      | 1         | 2         | 3         | 6         | 6         | 12     | 3         | 5         | 8         | 4         | 7         | 11     | 6         | 4         | 10        | 3          | 3         | 6      | 4         | 1         | 5      | 3         | 1         | 4      | 1         | ... | 1   |
| East . . . . .                              | 2           | ...       | 2      | 1         | ...       | 1         | 4         | ...       | 4      | ...       | ...       | ...       | 4         | 3         | 7      | 6         | 7         | 13        | 4         | 2         | 6      | 2         | ...       | 2         | 1          | ...       | 1      | 9         | 3         | 12     | 1         | ...       | 1      | 1         | ... | 1   |
| South-East . . . . .                        | ...         | 1         | 1      | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | 1         | ...       | 1      | 1         | ...       | 1         | ...       | ...       | ...    | 1         | 1         | ...       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 1         | ... | 1   |
| South . . . . .                             | 3           | ...       | 3      | 3         | ...       | 3         | 3         | 1         | 4      | 4         | 1         | 5         | 1         | ...       | 1      | 2         | 3         | 5         | 3         | 2         | 5      | 3         | 2         | 5         | 1          | 2         | 3      | ...       | ...       | ...    | ...       | 1         | 1      | 2         | ... | 2   |
| South-West . . . . .                        | 2           | 2         | 4      | 6         | ...       | 6         | 2         | ...       | 2      | 2         | 3         | 5         | 1         | 1         | 2      | 1         | ...       | 1         | 3         | 3         | 6      | 4         | 2         | 6         | 2          | 2         | 4      | ...       | ...       | ...    | 1         | ...       | 1      | 2         | 1   | 3   |
| West . . . . .                              | 8           | 8         | 16     | 13        | 19        | 32        | 10        | 14        | 24     | 11        | 10        | 21        | 3         | 1         | 4      | 5         | 3         | 8         | 3         | 7         | 10     | 4         | 6         | 10        | 3          | 3         | 6      | 1         | 1         | 2      | 3         | 2         | 5      | 6         | 10  | 16  |
| North-West . . . . .                        | 5           | 9         | 14     | 1         | 5         | 6         | 3         | 8         | 11     | 2         | 11        | 13        | 3         | 5         | 8      | 1         | 2         | 3         | 2         | 2         | 4      | 4         | 6         | 10        | 8          | 5         | 13     | 4         | 2         | 6      | 4         | 6         | 10     | 7         | 4   | 11  |
| Calm . . . . .                              | 4           | 3         | 7      | 1         | 1         | 2         | 5         | 4         | 9      | 8         | ...       | 8         | 3         | 6         | 9      | 6         | 2         | 8         | 4         | 2         | 6      | 2         | 4         | 6         | 3          | 8         | 11     | 7         | 15        | 22     | 6         | 14        | 20     | 7         | 14  | 21  |
| Variable . . . . .                          | ...         | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |
| Resultant {                                 | Percentage  | 48        |        | 68        |           | 46        |           | 54        |        | 48        |           | 28        |           | 25        |        | 32        |           | 45        |           | 40        |        | 46        |           | 41        |            |           |        |           |           |        |           |           |        |           |     |     |
|                                             | Direction . | N. 54° W. |        | N. 86° W. |           | N. 71° W. |           | N. 76° W. |        | N. 10° E. |           | N. 31° E. |           | N. 12° W. |        | N. 35° W. |           | N. 28° W. |           | N. 22° E. |        | N. 19° W. |           | N. 72° W. |            |           |        |           |           |        |           |           |        |           |     |     |
| Mean diurnal velocity of wind in miles .    |             | 40'6      |        | 110'8     |           | 86'2      |           | 99'5      |        | 102'2     |           | 98'9      |           | 73'0      |        | 71'7      |           | 49'5      |           | 32'7      |        | 22'1      |           | 30'6      |            |           |        |           |           |        |           |           |        |           |     |     |
| Average Resultant {                         | Percentage  | 25        |        | 36        |           | 45        |           | 38        |        | 28        |           | 23        |           | 19        |        | 17        |           | 25        |           | 4         |        | 17        |           | 30        |            |           |        |           |           |        |           |           |        |           |     |     |
|                                             | Direction . | N. 60° W. |        | N. 72° W. |           | N. 79° W. |           | N. 62° W. |        | N. 17° E. |           | N. 57° E. |           | S. 79° E. |        | S. 66° E. |           | S. 86° E. |           | N. 34° W. |        | N. 45° W. |           | N. 68° W. |            |           |        |           |           |        |           |           |        |           |     |     |
| 14-15 Years.                                |             | 37'3      |        | 61'1      |           | 78'7      |           | 92'7      |        | 92'0      |           | 83'4      |           | 69'3      |        | 61'6      |           | 55'3      |           | 35'8      |        | 28'9      |           | 31'1      |            |           |        |           |           |        |           |           |        |           |     |     |
| Average diurnal velocity of wind in miles . |             | 37'3      |        | 61'1      |           | 78'7      |           | 92'7      |        | 92'0      |           | 83'4      |           | 69'3      |        | 61'6      |           | 55'3      |           | 35'8      |        | 28'9      |           | 31'1      |            |           |        |           |           |        |           |           |        |           |     |     |
| 14-16 Years.                                |             | 37'3      |        | 61'1      |           | 78'7      |           | 92'7      |        | 92'0      |           | 83'4      |           | 69'3      |        | 61'6      |           | 55'3      |           | 35'8      |        | 28'9      |           | 31'1      |            |           |        |           |           |        |           |           |        |           |     |     |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

45.—HAZARIBAGH (*up to March 2, afterwards 4 observations daily*).

|                                                              | JANUARY.        |           |        | FEBRUARY.       |           |        | MARCH.          |           |        | APRIL.          |           |           |           |        | MAY.            |           |           |           |        | JUNE.           |           |           |           |        |
|--------------------------------------------------------------|-----------------|-----------|--------|-----------------|-----------|--------|-----------------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|
|                                                              | 10 hours.       | 16 hours. | Total. | 10 hours.       | 16 hours. | Total. | 10 hours.       | 16 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                              | 5               | 9         | 14     | 3               | 3         | 6      | 5               | 7         | 12     | 2               | 4         | 6         | 5         | 17     | 1               | 3         | 4         | ...       | 8      | 1               | 2         | 5         | ...       | 8      |
| North-East . . . . .                                         | ...             | 1         | 1      | ...             | ...       | ...    | ...             | 1         | 1      | ...             | 1         | ...       | 2         | 3      | ...             | ...       | 2         | 2         | 4      | ...             | 4         | 4         | 2         | 10     |
| East . . . . .                                               | 1               | ...       | 1      | ...             | ...       | ...    | ...             | 1         | 1      | 2               | ...       | ...       | 2         | 4      | 1               | ...       | 6         | 6         | 13     | 1               | 2         | 7         | 3         | 13     |
| South-East . . . . .                                         | 1               | ...       | 1      | ...             | 1         | 1      | 2               | 1         | 3      | 3               | 2         | 1         | ...       | 6      | 5               | 6         | 4         | 10        | 25     | 5               | 4         | 7         | 8         | 24     |
| South . . . . .                                              | 4               | ...       | 4      | 1               | ...       | 1      | 6               | 3         | 9      | 2               | 5         | 1         | 1         | 9      | 14              | 10        | 3         | 5         | 32     | 11              | 5         | 1         | 6         | 23     |
| South-West . . . . .                                         | 4               | ...       | 4      | 2               | ...       | 2      | 4               | ...       | 4      | 4               | 3         | ...       | ...       | 7      | 4               | 3         | 3         | 2         | 12     | 7               | 3         | 1         | 6         | 17     |
| West . . . . .                                               | 4               | 5         | 9      | 6               | 7         | 13     | 2               | 4         | 6      | 6               | 1         | 6         | 3         | 16     | 1               | 6         | 1         | ...       | 8      | 2               | 6         | 1         | 1         | 10     |
| North-West . . . . .                                         | 11              | 15        | 26     | 15              | 17        | 32     | 10              | 12        | 22     | 9               | 14        | 16        | 14        | 53     | 1               | 3         | 8         | 4         | 16     | 2               | 4         | 4         | 1         | 11     |
| Calm . . . . .                                               | 1               | 1         | 2      | 1               | ...       | 1      | 2               | 2         | 4      | 2               | ...       | ...       | 3         | 5      | 4               | ...       | ...       | 2         | 6      | 1               | ...       | ...       | 2         | 3      |
| Variable . . . . .                                           | ...             | ...       | ...    | ...             | ...       | ...    | ...             | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Resultant { Percentage<br>Direction .                        | 61<br>N. 47° W. |           |        | 79<br>N. 55° W. |           |        | 40<br>N. 55° W. |           |        | 51<br>N. 51° W. |           |           |           |        | 29<br>S. 9° E.  |           |           |           |        | 25<br>S. 14° E. |           |           |           |        |
|                                                              | 122.5           |           |        | 229.1           |           |        | 200.5           |           |        | 218.3           |           |           |           |        | 217.4           |           |           |           |        | 219.7           |           |           |           |        |
| Average { Percentage<br>Resultant { Direction .<br>15 Years. | 54<br>N. 62° W. |           |        | 60<br>N. 68° W. |           |        | 61<br>N. 75° W. |           |        | 49<br>N. 74° W. |           |           |           |        | 15<br>S. 77° W. |           |           |           |        | 19<br>S. 36° W. |           |           |           |        |
|                                                              | 116.1           |           |        | 156.4           |           |        | 178.2           |           |        | 201.8           |           |           |           |        | 208.1           |           |           |           |        | 213.6           |           |           |           |        |
| Average diurnal velocity of wind in miles 17-18 Years.       |                 |           |        |                 |           |        |                 |           |        |                 |           |           |           |        |                 |           |           |           |        |                 |           |           |           |        |

|                                                                 | JULY.           |           |           |           |        | AUGUST.         |           |           |           |        | SEPTEMBER.      |           |           |           |        | OCTOBER.        |           |           |           |        | NOVEMBER.       |           |           |           |        | DECEMBER.       |           |           |           |        |     |
|-----------------------------------------------------------------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----|
|                                                                 | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. |     |
| North . . . . .                                                 | ...             | ...       | 2         | ...       | 2      | ...             | ...       | 2         | ...       | 2      | 1               | 2         | 4         | 2         | 9      | ...             | 4         | 5         | 4         | 13     | 5               | 6         | 11        | 4         | 26     | 4               | 6         | 7         | 6         | 23     |     |
| North-East . . . . .                                            | 2               | 3         | 4         | ...       | 9      | 1               | 3         | 1         | ...       | 5      | 3               | 2         | 4         | 1         | 10     | 4               | 3         | 6         | 3         | 16     | 7               | 6         | 5         | 2         | 20     | 1               | 3         | 2         | 1         | 7      |     |
| East . . . . .                                                  | 1               | 6         | 5         | 2         | 14     | 3               | 5         | 6         | 5         | 19     | 4               | 5         | 4         | 2         | 15     | 3               | 5         | 10        | 3         | 21     | 1               | 7         | 3         | ...       | 11     | ...             | 1         | 2         | ...       | 3      |     |
| South-East . . . . .                                            | 6               | 7         | 6         | 10        | 29     | 5               | 3         | 6         | 6         | 20     | 1               | 2         | 4         | 3         | 10     | 7               | 8         | 5         | 3         | 23     | 2               | 3         | 2         | 1         | 8      | 1               | ...       | 1         | 2         | 4      |     |
| South . . . . .                                                 | 4               | 3         | 2         | 5         | 14     | 4               | 1         | 3         | 9         | 17     | 3               | 1         | 1         | 2         | 7      | 2               | 3         | ...       | 4         | 9      | ...             | 1         | 1         | 1         | 3      | 1               | 4         | 2         | ...       | 7      |     |
| South-West . . . . .                                            | 7               | 2         | 3         | 5         | 17     | 10              | 3         | 1         | 4         | 18     | 4               | 4         | 2         | 3         | 13     | 3               | 3         | ...       | 5         | 11     | 1               | 1         | ...       | ...       | 2      | 2               | 2         | ...       | ...       | 4      |     |
| West . . . . .                                                  | 4               | 7         | 5         | 4         | 20     | 4               | 9         | 6         | 4         | 23     | 3               | 4         | 4         | 5         | 16     | 2               | ...       | 1         | ...       | 3      | 2               | ...       | ...       | 2         | 4      | 7               | 4         | 2         | 5         | 18     |     |
| North-West . . . . .                                            | 3               | 3         | 4         | 3         | 13     | 1               | 6         | 6         | 1         | 14     | 3               | 9         | 7         | 5         | 24     | 2               | 2         | 2         | ...       | 6      | 6               | 6         | 8         | 8         | 28     | 12              | 11        | 14        | 11        | 48     |     |
| Calm . . . . .                                                  | 2               | ...       | ...       | 2         | 4      | 3               | ...       | ...       | 2         | 5      | 7               | 1         | ...       | 5         | 13     | 7               | 2         | 2         | 9         | 20     | 6               | ...       | ...       | 12        | 18     | 3               | ...       | ...       | 5         | 8      |     |
| Variable . . . . .                                              | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ... |
| Resultant { Percentage<br>Direction .                           | 24<br>S. 1° W.  |           |           |           |        | 24<br>S. 17° W. |           |           |           |        | 14<br>N. 53° W. |           |           |           |        | 28<br>S. 82° E. |           |           |           |        | 42<br>N. 6° E.  |           |           |           |        | 54<br>N. 42° W. |           |           |           |        |     |
|                                                                 | 203.9           |           |           |           |        | 181.8           |           |           |           |        | 150.1           |           |           |           |        | 93.1            |           |           |           |        | 107.6           |           |           |           |        | 141.8           |           |           |           |        |     |
| Average { Percentage<br>Resultant { Direction .<br>14-15 Years. | 19<br>S. 16° E. |           |           |           |        | 7<br>S. 50° W.  |           |           |           |        | 21<br>S. 64° E. |           |           |           |        | 34<br>N. 42° W. |           |           |           |        | 55<br>N. 42° W. |           |           |           |        | 64<br>N. 54° W. |           |           |           |        |     |
|                                                                 | 202.5           |           |           |           |        | 179.4           |           |           |           |        | 167.1           |           |           |           |        | 117.5           |           |           |           |        | 102.7           |           |           |           |        | 109.3           |           |           |           |        |     |
| Average diurnal velocity of wind in miles 17-18 Years.          |                 |           |           |           |        |                 |           |           |           |        |                 |           |           |           |        |                 |           |           |           |        |                 |           |           |           |        |                 |           |           |           |        |     |

## 46.—BERHAMPORE (2 observations daily).

|                                                         | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |      |     |           |  |
|---------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|------|-----|-----------|--|
|                                                         | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |      |     |           |  |
| North . . .                                             | 14          | 12        | 26     | 2         | 1         | 3      | 3         | 1         | 4      | 1         | 2         | 3      | ...       | 3         | 3      | 2         | 2         | 4      | 1         | ...       | 1      | ...       | ...       | ...    | 1          | 3         | 4      | 9         | 9         | 18     | 18        | 18        | 36     | 10        | 8    | 18  |           |  |
| North-East . . .                                        | 2           | 1         | 3      | ...       | ...       | ...    | 1         | 1         | 2      | 1         | 2         | 3      | 1         | 1         | 2      | 2         | 6         | 8      | ...       | 3         | 3      | 1         | 1         | 2      | 3          | 3         | 6      | 4         | 5         | 9      | 5         | 2         | 7      | 3         | 1    | 4   |           |  |
| East . . .                                              | ...         | ...       | ...    | 1         | ...       | 1      | 1         | 2         | 3      | 2         | 2         | 4      | 7         | 11        | 18     | 12        | 9         | 21     | 13        | 9         | 22     | 8         | 8         | 16     | 9          | 7         | 16     | 6         | 3         | 9      | 1         | 2         | 3      | 2         | 3    | 5   |           |  |
| South-East . . .                                        | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 2         | 1         | 3      | 4         | 3         | 7      | 2         | 4         | 6      | 2         | 2         | 4      | 4         | 4         | 8      | 5          | 6         | 11     | 1         | 1         | 2      | ...       | ...       | ...    | ...       | ...  | ... |           |  |
| South . . .                                             | 1           | 2         | 3      | 1         | 1         | 2      | 6         | 7         | 13     | 9         | 2         | 11     | 13        | 6         | 19     | 5         | 6         | 11     | 9         | 11        | 20     | 8         | 7         | 15     | 5          | 4         | 9      | 3         | 2         | 5      | ...       | ...       | ...    | 1         | 1    | 2   |           |  |
| South-West . . .                                        | 4           | 3         | 7      | 6         | 5         | 11     | 10        | 7         | 17     | 8         | 6         | 14     | 6         | 3         | 9      | 3         | 1         | 4      | 4         | 3         | 7      | 9         | 7         | 16     | 5          | 4         | 9      | 3         | 3         | 6      | 1         | ...       | 1      | ...       | ...  | ... |           |  |
| West . . .                                              | 3           | 8         | 11     | 10        | 17        | 27     | 8         | 9         | 17     | 5         | 13        | 18     | ...       | 2         | 2      | 2         | 1         | 3      | 2         | 2         | 4      | 1         | 1         | 2      | 2          | 2         | 4      | 1         | 4         | 5      | 2         | 4         | 6      | 8         | 12   | 20  |           |  |
| North-West . . .                                        | 7           | 4         | 11     | 6         | 3         | 9      | 2         | 3         | 5      | 2         | 1         | 3      | ...       | ...       | ...    | 1         | ...       | 1      | ...       | 1         | 1      | ...       | 1         | 1      | ...        | ..        | ...    | 2         | 4         | 6      | 2         | 3         | 5      | 7         | 5    | 12  |           |  |
| Calm . . .                                              | ...         | 1         | 1      | 2         | 1         | 3      | ...       | 1         | 1      | ...       | 1         | 1      | ...       | 2         | 2      | 1         | 1         | 2      | ...       | ...       | ...    | ...       | 2         | 2      | ...        | 1         | 1      | 2         | ...       | 1      | 1         | 2         | ...    | 1         | 1    |     |           |  |
| Variable . . .                                          | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...  | ... |           |  |
| Resultant {                                             | Percentage  |           |        | 72        |           |        | 52        |           |        | 45        |           |        | 49        |           |        | 43        |           |        | 48        |           |        | 50        |           |        | 38         |           |        | 29        |           |        | 73        |           |        | 55        |      |     |           |  |
|                                                         | Direction . |           |        | N. 38° W. |           |        | S. 89° W. |           |        | S. 60° W. |           |        | S. 54° W. |           |        | S. 32° E. |           |        | S. 72° E. |           |        | S. 36° E. |           |        | S. 17° E.  |           |        | S. 50° E. |           |        | N. 10° E. |           |        | N. 3° W.  |      |     | N. 37° W. |  |
| Mean diurnal velocity of wind in miles .                |             | 47.2      |        |           | 68.2      |        |           | 103.5     |        |           | 118.3     |        |           | 127.7     |        |           | 114.8     |        |           | 131.8     |        |           | 120.3     |        |            | 91.4      |        |           | 51.8      |        |           | 49.2      |        |           | 44.1 |     |           |  |
| Average Resultant {                                     | Percentage  |           |        | 44        |           |        | 44        |           |        | 32        |           |        | 37        |           |        | 48        |           |        | 51        |           |        | 45        |           |        | 36         |           |        | 16        |           |        | 54        |           |        | 62        |      |     |           |  |
|                                                         | Direction . |           |        | N. 72° W. |           |        | S. 76° W. |           |        | S. 23° W. |           |        | S. 36° E. |           |        | S. 33° E. |           |        | S. 41° E. |           |        | S. 40° E. |           |        | S. 41° E.  |           |        | N. 12° W. |           |        | N. 25° W. |           |        | N. 26° W. |      |     |           |  |
| Average diurnal velocity of wind in miles. 14-17 Years. |             | 41.5      |        |           | 56.4      |        |           | 81.4      |        |           | 125.2     |        |           | 131.3     |        |           | 133.3     |        |           | 121.3     |        |           | 100.8     |        |            | 87.9.     |        |           | 50.6      |        |           | 39.9      |        |           | 38.1 |     |           |  |

## 47.—BURDWAN—(2 observations daily).

|                                                         | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |      |    |  |
|---------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|------|----|--|
|                                                         | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |      |    |  |
| North . . .                                             | 10          | 6         | 16     | 5         | 3         | 8      | 5         | 1         | 6      | 1         | 2         | 3      | ...       | ...       | ...    | ...       | 1         | 1      | 1         | ...       | 1      | ...       | ...       | ...    | 1          | ...       | 1      | ...       | 5         | 5      | 6         | 9         | 15     | 6         | 2    | 8  |  |
| North-East . . .                                        | 4           | ...       | 4      | 1         | ...       | 1      | ...       | 1         | 1      | 1         | ...       | 1      | 1         | 1         | 2      | 3         | 2         | 5      | 3         | 2         | 5      | 1         | 1         | 2      | 5          | 2         | 7      | 10        | 11        | 21     | 10        | 6         | 16     | 4         | 1    | 5  |  |
| East . . .                                              | ...         | ...       | ...    | 1         | ...       | 1      | 2         | 3         | 5      | 1         | ...       | 1      | 2         | 5         | 7      | 5         | 6         | 11     | 7         | 9         | 16     | 8         | 6         | 14     | 5          | 4         | 9      | 8         | 5         | 13     | 5         | 1         | 6      | 3         | 1    | 4  |  |
| South-East . . .                                        | 1           | ...       | 1      | ...       | ...       | ...    | 1         | 1         | 2      | 2         | 2         | 4      | 7         | 8         | 15     | 8         | 7         | 15     | 1         | 4         | 5      | 3         | 5         | 8      | 3          | 6         | 9      | ...       | 1         | 1      | ...       | ...       | ...    | 1         | 1    |    |  |
| South . . .                                             | 2           | ...       | 2      | 2         | ...       | 2      | 7         | 6         | 13     | 7         | 7         | 14     | 17        | 11        | 28     | 6         | 11        | 17     | 7         | 7         | 14     | 9         | 12        | 21     | 10         | 13        | 23     | 2         | 3         | 5      | 1         | ...       | 1      | ...       | ...  |    |  |
| South-West . . .                                        | 1           | 2         | 3      | 5         | 3         | 8      | 3         | 5         | 8      | 6         | 8         | 14     | 2         | 2         | 4      | 5         | 1         | 6      | 10        | 6         | 16     | 5         | 6         | 11     | 3          | 4         | 7      | 2         | ...       | 2      | ...       | ...       | ...    | 2         | 2    |    |  |
| West . . .                                              | 2           | 6         | 8      | 6         | 12        | 18     | 6         | 10        | 16     | 6         | 5         | 11     | 2         | 4         | 6      | 2         | 2         | 4      | 2         | 2         | 4      | 4         | 1         | 5      | 3          | ...       | 3      | 2         | 2         | 4      | ...       | ...       | ...    | 7         | 6    | 13 |  |
| North-West . . .                                        | 10          | 14        | 24     | 7         | 10        | 17     | 7         | 4         | 11     | 6         | 6         | 12     | ...       | ...       | ...    | 1         | ...       | 1      | ...       | ...       | ...    | 1         | ...       | 1      | ...        | 1         | 1      | 5         | 3         | 8      | 7         | 9         | 16     | 6         | 10   | 16 |  |
| Calm . . .                                              | 1           | 3         | 4      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 1         | 1         | ...    | ...       | ...       | ...    | ...        | ...       | 2      | 1         | 3         | 1      | 5         | 6         | 5      | 8         | 13   |    |  |
| Variable . . .                                          | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...  |    |  |
| Resultant {                                             | Percentage  |           |        | 65        |           |        | 37        |           |        | 48        |           |        | 67        |           |        | 52        |           |        | 41        |           |        | 54        |           |        | 50         |           |        | 41        |           |        | 62        |           |        | 44        |      |    |  |
|                                                         | Direction . |           |        | N. 69° W. |           |        | S. 76° W. |           |        | S. 60° W. |           |        | S. 14° E. |           |        | S. 31° E. |           |        | S. 18° E. |           |        | S. 13° E. |           |        | S. 23° E.  |           |        | N. 44° E. |           |        | N. 9° E.  |           |        | N. 40° W. |      |    |  |
| Mean diurnal velocity of wind in miles .                |             | 36.8      |        |           | 44.5      |        |           | 80.9      |        |           | 101.8     |        |           | 107.7     |        |           | 95.8      |        |           | 97.0      |        |           | 77.1      |        |            | 65.8      |        |           | 41.7      |        |           | 41.6      |        |           | 37.5 |    |  |
| Average Resultant {                                     | Percentage  |           |        | 43        |           |        | 45        |           |        | 49        |           |        | 53        |           |        | 59        |           |        | 47        |           |        | 48        |           |        | 40         |           |        | 30        |           |        | 70        |           |        | 69        |      |    |  |
|                                                         | Direction . |           |        | N. 56° W. |           |        | S. 78° W. |           |        | S. 34° W. |           |        | S. 9° E.  |           |        | S. 18° E. |           |        | S. 27° E. |           |        | S. 30° E. |           |        | S. 27° E.  |           |        | N. 23° E. |           |        | N. 8° W.  |           |        | N. 22° W. |      |    |  |
| Average diurnal velocity of wind in miles. 13-14 Years. |             | 43.6      |        |           | 55.7      |        |           | 81.0      |        |           | 115.7     |        |           | 131.5     |        |           | 118.5     |        |           | 104.7     |        |           | 86.3      |        |            | 75.7      |        |           | 50.0      |        |           | 46.1      |        |           | 45.5 |    |  |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 48.—JESSORE (2 observations daily).

|                                             | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |      |     |           |  |  |  |
|---------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|------|-----|-----------|--|--|--|
|                                             | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |      |     |           |  |  |  |
| North . . .                                 | 13          | 8         | 21     | 5         | 2         | 7      | 1         | 1         | 2      | 1         | ...       | 1      | ...       | ...       | ...    | 1         | 1         | 2      | 1         | ...       | 1      | ...       | ...       | ...    | 1          | ...       | 1      | 5         | 3         | 8      | 9         | 9         | 18     | 9         | 2    | 11  |           |  |  |  |
| North-East . . .                            | 2           | ...       | 2      | 1         | ...       | 1      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | 1         | 1      | 1         | 2         | 3      | 1         | ...       | 1      | ...       | ...       | ...    | ...        | ...       | 5      | 5         | 10        | 7      | 4         | 11        | 5      | 1         | 6    |     |           |  |  |  |
| East . . .                                  | 1           | ...       | 1      | 3         | ...       | 3      | ...       | 1         | 1      | 1         | ...       | 1      | 4         | 2         | 6      | 5         | 2         | 7      | 2         | 5         | 7      | ...       | 2         | 2      | 6          | 4         | 10     | 4         | 7         | 11     | 7         | 7         | 14     | 2         | 2    | 4   |           |  |  |  |
| South-East . . .                            | ...         | ...       | ...    | ...       | ...       | ...    | 1         | 1         | 2      | ...       | 1         | 1      | 1         | 1         | 2      | 4         | 3         | 7      | 11        | 6         | 17     | 7         | 5         | 12     | 2          | 5         | 7      | 2         | 2         | 4      | 1         | ...       | 1      | 1         | ...  | 1   |           |  |  |  |
| South . . .                                 | 2           | ...       | 2      | 2         | 1         | 3      | 4         | 14        | 18     | 14        | 18        | 32     | 11        | 21        | 32     | 7         | 14        | 21     | 7         | 12        | 19     | 11        | 17        | 28     | 14         | 17        | 31     | 2         | 4         | 6      | 1         | 1         | 2      | 1         | ...  | 1   |           |  |  |  |
| South-West . . .                            | 2           | 3         | 5      | 6         | ...       | 6      | 12        | 5         | 17     | 11        | 4         | 15     | 7         | 5         | 12     | 10        | 4         | 14     | 5         | 7         | 12     | 8         | 5         | 13     | 3          | 2         | 5      | 2         | 1         | 3      | 1         | ...       | 1      | 2         | ...  | 2   |           |  |  |  |
| West . . .                                  | 5           | 5         | 10     | 4         | 13        | 17     | 7         | 5         | 12     | 2         | 4         | 6      | 5         | 1         | 6      | ...       | 3         | 3      | 2         | 1         | 3      | 1         | 2         | 3      | 3          | 1         | 4      | 6         | 1         | 7      | 1         | 2         | 3      | 3         | 10   | 13  |           |  |  |  |
| North-West . . .                            | 3           | 10        | 13     | 5         | 11        | 16     | 4         | 3         | 7      | ...       | 1         | 1      | 1         | ...       | 1      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | 1          | 1         | 2      | 4         | 3         | 7      | 3         | 7         | 10     | 5         | 10   | 15  |           |  |  |  |
| Calm . . .                                  | 3           | 5         | 8      | 2         | 1         | 3      | 1         | ...       | 1      | 1         | 2         | 3      | 2         | ...       | 2      | 1         | 1         | 2      | 2         | ...       | 2      | 4         | ...       | 4      | ...        | ...       | ...    | 1         | 5         | 6      | ...       | ...       | ...    | 3         | 6    | 9   |           |  |  |  |
| Variable . . .                              | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...  | ... |           |  |  |  |
| Resultant {                                 | Percentage  |           |        | 53        |           |        | 56        |           |        | 57        |           |        | 74        |           |        | 66        |           |        | 52        |           |        | 62        |           |        | 74         |           |        | 63        |           |        | 18        |           |        | 53        |      |     | 45        |  |  |  |
|                                             | Direction . |           |        | N. 38° W. |           |        | N. 68° W. |           |        | S. 47° W. |           |        | S. 21° W. |           |        | S. 10° W. |           |        | S. 9° E.  |           |        | S. 12° E. |           |        | S. 2° W.   |           |        | S. 9° E.  |           |        | N. 37° E. |           |        | N. 22° E. |      |     | N. 35° W. |  |  |  |
| Mean diurnal velocity of wind in miles .    |             | 41'7      |        |           | 55'8      |        |           | 80'6      |        |           | 112'5     |        |           | 117'2     |        |           | 122'9     |        |           | 127'2     |        |           | 96'5      |        |            | 92'6      |        |           | 53'7      |        |           | 45'7      |        |           | 39'2 |     |           |  |  |  |
| Average {                                   | Percentage  |           |        | 51        |           |        | 40        |           |        | 38        |           |        | 54        |           |        | 61        |           |        | 66        |           |        | 65        |           |        | 61         |           |        | 61        |           |        | 23        |           |        | 57        |      |     | 66        |  |  |  |
|                                             | Direction . |           |        | N. 24° W. |           |        | N. 65° W. |           |        | S. 62° W. |           |        | S. 11° W. |           |        | S. 10° E. |           |        | S. 19° E. |           |        | S. 17° E. |           |        | S. 20° E.  |           |        | S. 26° E. |           |        | N. 65° E. |           |        | N. 2° E.  |      |     | N. 13° W. |  |  |  |
| Average diurnal velocity of wind in miles . |             | 37'2      |        |           | 48'2      |        |           | 77'8      |        |           | 110'6     |        |           | 115'5     |        |           | 119'7     |        |           | 112'2     |        |           | 99'2      |        |            | 82'8      |        |           | 52'1      |        |           | 43'6      |        |           | 40'0 |     |           |  |  |  |
| 14-15 Years.                                |             |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |      |     |           |  |  |  |
| 14-16 Years.                                |             |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |      |     |           |  |  |  |

## 49.—DACCA (2 observations daily).

|                                                        | JANUARY.            |           |           | FEBRUARY. |           |           | MARCH.    |           |          | APRIL.    |           |           | MAY.      |           |           | JUNE.     |           |           | JULY.     |           |           | AUGUST.   |           |           | SEPTEMBER. |           |           | OCTOBER.  |           |           | NOVEMBER. |           |           | DECEMBER. |     |   |
|--------------------------------------------------------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|---|
|                                                        | 10 hours.           | 16 hours. | Total.    | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total.   | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total.    | 10 hours.  | 16 hours. | Total.    | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total.    |           |     |   |
| North . . .                                            | Untrust-<br>worthy. |           | 4         | ...       | 4         | 1         | 1         | 2         | ...      | ...       | ...       | 1         | 2         | 3         | ...       | 1         | 1         | ...       | ...       | ...       | ...       | ...       | ...       | ...       | 4          | 2         | 6         | 8         | 5         | 13        | 6         | 1         | 7         |           |     |   |
| North-East . . .                                       |                     |           | 1         | 2         | 3         | 1         | ...       | 1         | ...      | 1         | 1         | 1         | 1         | 1         | 2         | ...       | ...       | ...       | 1         | 1         | 2         | 1         | ...       | 1         | 2          | 1         | 3         | 4         | 1         | 5         | 13        | 6         | 19        | 4         | 3   | 7 |
| East . . .                                             |                     |           | ...       | 1         | 1         | ...       | 2         | 2         | ...      | 2         | 2         | 3         | 4         | 7         | 3         | 4         | 7         | 1         | ...       | 1         | 1         | ...       | 1         | 3         | ...        | 3         | 2         | 2         | 4         | 3         | 1         | 4         | 1         | ...       | 1   |   |
| South-East . . .                                       |                     |           | ...       | ...       | ...       | 3         | ...       | 3         | 4        | 2         | 6         | 3         | 2         | 5         | 11        | 3         | 14        | 12        | 6         | 18        | 11        | 5         | 16        | 8         | 3          | 11        | 7         | 3         | 10        | 1         | ...       | 1         | 2         | ...       | 2   |   |
| South . . .                                            |                     |           | 3         | 3         | 6         | 8         | 13        | 21        | 16       | 17        | 33        | 10        | 11        | 21        | 10        | 17        | 27        | 11        | 17        | 28        | 9         | 12        | 21        | 12        | 18         | 30        | 6         | 4         | 10        | ...       | 3         | 3         | ...       | 2         | 2   |   |
| South-West . . .                                       |                     |           | 11        | 6         | 17        | 9         | 9         | 18        | 8        | 4         | 12        | 8         | 5         | 13        | 5         | 4         | 9         | 6         | 6         | 12        | 9         | 13        | 22        | 4         | 7          | 11        | 5         | 4         | 9         | 1         | 2         | 3         | 5         | 3         | 8   |   |
| West . . .                                             |                     |           | 6         | 13        | 19        | 7         | 4         | 11        | ...      | 3         | 3         | ...       | 3         | 3         | ...       | ...       | ...       | ...       | ...       | ...       | ...       | 1         | 1         | 1         | ...        | 1         | 1         | 10        | 11        | 1         | 7         | 8         | 7         | 14        | 21  |   |
| North-West . . .                                       |                     |           | 1         | 2         | 3         | 1         | 1         | 2         | 1        | ...       | 1         | 1         | ...       | 1         | 1         | ...       | 1         | ...       | ...       | ...       | ...       | ...       | ...       | ...       | 1          | 1         | 2         | 4         | 6         | 3         | 6         | 9         | 4         | 5         | 9   |   |
| Calm . . .                                             |                     |           | 2         | 1         | 3         | 1         | 1         | 2         | 1        | 1         | 2         | 4         | 3         | 7         | ...       | 1         | 1         | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...        | ...       | ...       | 1         | 1         | ...       | ...       | ...       | 2         | 3         | 5   |   |
| Variable . . .                                         |                     |           | ...       | ...       | ...       | ...       | ...       | ...       | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...        | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ... |   |
| Resultant {                                            | Percentage          | ...       | 56        |           |           | 61        |           |           | 74       |           |           | 46        |           |           | 71        |           |           | 79        |           |           | 76        |           |           | 71        |            |           | 19        |           |           | 45        |           |           | 44        |           |     |   |
|                                                        | Direction .         | ...       | S. 72° W. |           |           | S. 33° W. |           |           | S. 7° W. |           |           | S. 2° W.  |           |           | S. 13° E. |           |           | S. 8° E.  |           |           | S. 4° W.  |           |           | S. 5° E.  |            |           | S. 36° W. |           |           | N. 4° E.  |           |           | N. 70° W. |           |     |   |
| Mean diurnal velocity of wind in miles .               |                     | ...       | 70'8      |           |           | 114'5     |           |           | 176'9    |           |           | 124'1     |           |           | 150'0     |           |           | 177'7     |           |           | 151'1     |           |           | 123'1     |            |           | 51'2      |           |           | 54'7      |           |           | 44'6      |           |     |   |
| Average {                                              | Percentage          | 32        | 35        |           |           | 54        |           |           | 60       |           |           | 60        |           |           | 75        |           |           | 80        |           |           | 72        |           |           | 57        |            |           | 4         |           |           | 38        |           |           | 44        |           |     |   |
|                                                        | Direction .         | N. 53° W. | S. 76° W. |           |           | S. 23° W. |           |           | S. 4° E. |           |           | S. 19° E. |           |           | S. 16° E. |           |           | S. 19° E. |           |           | S. 14° E. |           |           | S. 11° E. |            |           | S. 55° E. |           |           | N. 17° W. |           |           | N. 36° W. |           |     |   |
| Average diurnal velocity of wind in miles 17-18 Years. |                     | 48'8      | 63'6      |           |           | 112'1     |           |           | 162'9    |           |           | 147'2     |           |           | 173'6     |           |           | 175'7     |           |           | 144'8     |           |           | 110'0     |            |           | 56'7      |           |           | 45'4      |           |           | 45'4      |           |     |   |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 50.—CHITTAGONG (4 observations daily).

|                                                        | JANUARY.  |           |           |           |        | FEBRUARY. |           |           |           |        | MARCH.    |           |           |           |        | APRIL.    |           |           |           |        | MAY.      |           |           |           |        | JUNE.     |           |           |           |        |
|--------------------------------------------------------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|
|                                                        | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                        | 13        | 13        | 1         | 3         | 30     | 9         | 11        | 2         | 1         | 23     | 2         | 9         | ...       | 3         | 14     | ...       | ...       | ...       | ...       | ...    | 2         | 2         | 1         | 1         | 6      | ...       | 2         | 1         | ...       | 3      |
| North-East . . . . .                                   | 2         | 15        | ...       | 1         | 18     | 3         | 9         | ...       | ...       | 12     | 2         | 7         | 1         | 1         | 11     | 2         | 1         | ...       | ...       | 3      | 1         | 6         | 2         | 2         | 11     | 2         | 1         | 2         | 1         | 6      |
| East . . . . .                                         | ...       | 2         | 1         | ...       | 3      | 2         | 4         | ...       | ...       | 6      | 5         | 4         | 3         | 1         | 13     | 4         | 2         | ...       | 2         | 8      | 7         | 7         | 1         | 1         | 16     | 3         | 2         | ...       | 2         | 7      |
| South-East . . . . .                                   | ...       | ...       | ...       | ...       | ...    | 5         | 3         | ...       | 1         | 9      | 10        | 5         | ...       | 3         | 18     | 17        | 8         | 1         | 9         | 35     | 13        | 6         | 1         | 6         | 26     | 16        | 14        | 5         | 13        | 48     |
| South . . . . .                                        | 1         | ...       | 1         | ...       | 2      | 1         | ...       | 1         | 4         | 6      | 2         | 5         | 2         | 6         | 15     | 5         | 17        | 14        | 10        | 46     | 6         | 3         | 5         | 9         | 23     | 5         | 6         | 14        | 7         | 32     |
| South-West . . . . .                                   | ...       | ...       | 5         | 1         | 6      | ...       | ...       | 7         | 2         | 9      | 1         | ...       | 9         | 4         | 14     | 1         | 2         | 10        | 4         | 17     | ...       | 5         | 12        | 4         | 21     | 1         | 2         | 5         | 2         | 10     |
| West . . . . .                                         | ...       | ...       | 14        | 6         | 20     | 1         | ...       | 12        | 10        | 23     | 1         | ...       | 10        | 5         | 16     | 1         | ...       | 5         | ...       | 6      | 1         | 1         | 8         | 5         | 15     | ...       | 1         | 1         | 1         | 3      |
| North-West . . . . .                                   | 5         | ...       | 9         | 10        | 24     | 7         | 1         | 6         | 9         | 23     | 3         | 1         | 5         | 4         | 13     | ...       | ...       | ...       | 1         | 1      | 1         | 1         | ...       | 1         | 3      | ...       | ...       | 1         | 2         | 3      |
| Calm . . . . .                                         | 10        | 1         | ...       | 10        | 21     | ...       | ...       | ...       | 1         | 1      | 5         | ...       | ...       | 4         | 9      | ...       | ...       | ...       | 4         | 4      | ...       | ...       | ...       | 1         | 1      | 2         | ...       | ...       | 1         | 3      |
| Variable . . . . .                                     | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    |
| Resultant { Percentage .                               | 48        |           |           |           |        | 34        |           |           |           |        | 6         |           |           |           |        | 68        |           |           |           |        | 34        |           |           |           |        | 62        |           |           |           |        |
| Resultant { Direction .                                | N. 25° W. |           |           |           |        | N. 41° W. |           |           |           |        | S. 13° W. |           |           |           |        | S. 11° E. |           |           |           |        | S. 14° E. |           |           |           |        | S. 27° E. |           |           |           |        |
| Mean diurnal velocity of wind in miles . . . . .       | 33'9      |           |           |           |        | ?         |           |           |           |        | 109'6     |           |           |           |        | 168'2     |           |           |           |        | 115'7     |           |           |           |        | 154'8     |           |           |           |        |
| Average { Percentage .                                 | 48        |           |           |           |        | 30        |           |           |           |        | 20        |           |           |           |        | 37        |           |           |           |        | 38        |           |           |           |        | 56        |           |           |           |        |
| Average { Direction .                                  | N. 24° W. |           |           |           |        | N. 38° W. |           |           |           |        | S. 54° W. |           |           |           |        | S. 12° W. |           |           |           |        | S.        |           |           |           |        | S. 31° E. |           |           |           |        |
| Average diurnal velocity of wind in miles 15 Years.    | 91'3      |           |           |           |        | 108'5     |           |           |           |        | 139'8     |           |           |           |        | 172'7     |           |           |           |        | 153'5     |           |           |           |        | 167'3     |           |           |           |        |
| Average diurnal velocity of wind in miles 17-18 Years. | 91'3      |           |           |           |        | 108'5     |           |           |           |        | 139'8     |           |           |           |        | 172'7     |           |           |           |        | 153'5     |           |           |           |        | 167'3     |           |           |           |        |

|                                                     | JULY.        |           |           |           |        | AUGUST.   |           |           |           |           | SEPTEMBER. |           |           |           |        | OCTOBER. |           |           |           |        | NOVEMBER. |           |           |           |        | DECEMBER. |           |           |           |        |
|-----------------------------------------------------|--------------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|--------|----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|
|                                                     | 4 hours.     | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total.    | 4 hours.   | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                     | ...          | 1         | ...       | ...       | 1      | ...       | ...       | ...       | ...       | ...       | ...        | ...       | 2         | 2         | 3      | 7        | 2         | 1         | 13        | 11     | 8         | 3         | 1         | 23        | 4      | 13        | 2         | 2         | 21        |        |
| North-East . . . . .                                | 2            | ...       | ...       | ...       | 2      | ...       | 5         | ...       | ...       | 5         | 2          | 3         | ...       | 3         | 8      | 2        | 12        | 1         | 1         | 16     | 2         | 18        | 2         | 1         | 23     | 3         | 13        | 2         | 2         | 20     |
| East . . . . .                                      | 1            | 4         | ...       | ...       | 5      | 7         | 5         | ...       | 3         | 15        | 6          | 6         | ...       | 2         | 14     | 5        | 5         | 1         | 3         | 14     | 2         | 1         | 3         | 1         | 7      | ...       | 1         | ...       | ...       | 1      |
| South-East . . . . .                                | 16           | 13        | 3         | 13        | 45     | 17        | 13        | 4         | 13        | 47        | 15         | 18        | 2         | 11        | 46     | 5        | 3         | 1         | 4         | 13     | 2         | 1         | ...       | 1         | 4      | ...       | 1         | ...       | ...       | 1      |
| South . . . . .                                     | 9            | 10        | 12        | 16        | 47     | 6         | 7         | 12        | 11        | 36        | 5          | 3         | 14        | 11        | 33     | 3        | 1         | 3         | 3         | 10     | ...       | ...       | 1         | ...       | 1      | ...       | ...       | ...       | 1         | 1      |
| South-West . . . . .                                | 1            | 3         | 15        | 2         | 21     | ...       | 1         | 11        | 3         | 15        | 1          | ...       | 11        | 1         | 13     | ...      | 1         | 7         | 3         | 11     | 1         | ...       | 4         | ...       | 5      | 2         | ...       | 6         | 3         | 11     |
| West . . . . .                                      | 1            | ...       | 1         | ...       | 2      | 1         | ...       | 3         | ...       | 4         | 1          | ...       | 2         | ...       | 3      | 4        | 2         | 9         | 4         | 19     | 1         | 1         | 5         | 1         | 8      | 4         | 2         | 15        | 9         | 30     |
| North-West . . . . .                                | ...          | ...       | ...       | ...       | ...    | ...       | ...       | 1         | ...       | 1         | ...        | ...       | 1         | ...       | 1      | 4        | ...       | 7         | 4         | 15     | 3         | ...       | 9         | 5         | 17     | 11        | 1         | 6         | 5         | 23     |
| Calm . . . . .                                      | 1            | ...       | ...       | ...       | 1      | ...       | ...       | ...       | 1         | 1         | ...        | ...       | ...       | ...       | ...    | 5        | ...       | ...       | 8         | 13     | 8         | ...       | 2         | 20        | 30     | 7         | ...       | ...       | 9         | 16     |
| Variable . . . . .                                  | ...          | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...        | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    |
| Resultant {                                         | Percentage . | 76        |           |           |        | 68.       |           |           |           | 64        |            |           |           | 7         |        |          |           | 37        |           |        |           | 46        |           |           |        |           |           |           |           |        |
|                                                     | Direction .  | S. 13° E. |           |           |        | S. 26° E. |           |           |           | S. 31° E. |            |           |           | N. 20° W. |        |          |           | N. 3° E.  |           |        |           | N. 42° W. |           |           |        |           |           |           |           |        |
| Mean diurnal velocity of wind in miles . . . . .    |              | 173'7     |           |           |        | 144'0     |           |           |           | 113'1     |            |           |           | 59'6      |        |          |           | 37'3      |           |        |           | 46'3      |           |           |        |           |           |           |           |        |
| Average Resultant {                                 | Percentage . | 63        |           |           |        | 55        |           |           |           | 31        |            |           |           | 14        |        |          |           | 53        |           |        |           | 59        |           |           |        |           |           |           |           |        |
|                                                     | Direction .  | S. 40° E. |           |           |        | S. 32° E. |           |           |           | S. 29° E. |            |           |           | N. 10° W. |        |          |           | N. 20° W. |           |        |           | N. 23° W. |           |           |        |           |           |           |           |        |
| 15 Years.                                           |              |           |           |           |        |           |           |           |           |           |            |           |           |           |        |          |           |           |           |        |           |           |           |           |        |           |           |           |           |        |
| Average diurnal velocity of wind in miles 18 Years. |              | 173'1     |           |           |        | 146'8     |           |           |           | 108'8     |            |           |           | 73'0      |        |          |           | 74'0      |           |        |           | 78'0      |           |           |        |           |           |           |           |        |





TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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52.—CALCUTTA (ALIPORE) (4 observations daily).

|                                                                          | JANUARY.        |           |           |           |        | FEBRUARY.       |           |           |           |        | MARCH.          |           |           |           |        | APRIL.          |           |           |           |        | MAY.            |           |           |           |        | JUNE.           |           |           |           |        |
|--------------------------------------------------------------------------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|
|                                                                          | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                                          | 13              | 10        | 10        | 11        | 44     | 6               | 7         | 3         | 4         | 20     | 1               | 3         | 2         | ...       | 6      | 1               | 1         | 2         | ...       | 4      | ...             | 1         | ...       | ...       | 1      | ...             | 1         | 1         | ...       | 2      |
| North-East . . . . .                                                     | 4               | 4         | 2         | 1         | 11     | 2               | 1         | ...       | ...       | 3      | 1               | 1         | 1         | 1         | 4      | ...             | 1         | ...       | 1         | 2      | 2               | 1         | ...       | ...       | 3      | 2               | 2         | 1         | 3         | 8      |
| East . . . . .                                                           | ...             | 3         | ...       | ...       | 3      | ...             | 1         | ...       | ...       | 1      | 3               | 1         | 1         | 2         | 7      | ...             | 1         | ...       | 3         | 4      | 3               | 2         | 1         | 1         | 7      | 2               | 4         | 4         | 1         | 11     |
| South-East . . . . .                                                     | 1               | ...       | ...       | 1         | 2      | ...             | ...       | ...       | ...       | ...    | 3               | ...       | 1         | ...       | 4      | 2               | ...       | 2         | 2         | 6      | 5               | 3         | 9         | 8         | 25     | 10              | 6         | 7         | 8         | 31     |
| South . . . . .                                                          | 1               | ...       | ...       | 4         | 5      | 1               | 1         | 1         | 4         | 7      | 7               | 6         | 4         | 11        | 28     | 10              | 7         | 10        | 14        | 41     | 14              | 8         | 11        | 14        | 47     | 8               | 8         | 9         | 11        | 36     |
| South-West . . . . .                                                     | 6               | 3         | 4         | 6         | 19     | 9               | 6         | 3         | 11        | 29     | 10              | 12        | 11        | 12        | 45     | 13              | 14        | 10        | 9         | 46     | 5               | 15        | 9         | 6         | 35     | 7               | 5         | 6         | 7         | 25     |
| West . . . . .                                                           | 3               | 3         | 5         | 3         | 14     | 7               | 5         | 11        | 5         | 28     | 3               | 4         | 9         | 2         | 18     | 2               | 4         | 4         | ...       | 10     | 1               | 1         | 1         | 1         | 4      | ...             | 3         | 2         | ...       | 5      |
| North-West . . . . .                                                     | 3               | 5         | 10        | 5         | 23     | 3               | 5         | 10        | 4         | 22     | 3               | 4         | 2         | 3         | 12     | 2               | 2         | 2         | 1         | 7      | 1               | ...       | ...       | 1         | 2      | 1               | 1         | ...       | ...       | 2      |
| Calm . . . . .                                                           | ...             | 3         | ...       | ...       | 3      | ...             | 2         | ...       | ...       | 2      | ...             | ...       | ...       | ...       | ...    | ...             | 7         | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Variable . . . . .                                                       | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Resultant { Percentage<br>Direction .                                    | 46<br>N. 33° W. |           |           |           |        | 55<br>N. 81° W. |           |           |           |        | 52<br>S. 45° W. |           |           |           |        | 64<br>S. 29° W. |           |           |           |        | 69<br>S. 2° W.  |           |           |           |        | 57<br>S. 12° E. |           |           |           |        |
|                                                                          | 55·6            |           |           |           |        | 75·7            |           |           |           |        | 117·2           |           |           |           |        | 185·9           |           |           |           |        | 140·9           |           |           |           |        | 137·3           |           |           |           |        |
| Mean diurnal velocity<br>of wind in miles .                              | 55·6            |           |           |           |        | 75·7            |           |           |           |        | 117·2           |           |           |           |        | 185·9           |           |           |           |        | 140·9           |           |           |           |        | 137·3           |           |           |           |        |
| Average Resultant { Percentage<br>Direction .                            | 38<br>N. 38° W. |           |           |           |        | 23<br>S. 81° W. |           |           |           |        | 49<br>S. 32° W. |           |           |           |        | 73<br>S. 3° W.  |           |           |           |        | 66<br>S. 11° E. |           |           |           |        | 59<br>S. 4° E.  |           |           |           |        |
|                                                                          | 69·5            |           |           |           |        | 91·2            |           |           |           |        | 130·3           |           |           |           |        | 180·2           |           |           |           |        | 169·6           |           |           |           |        | 145·7           |           |           |           |        |
| 15 Years.<br>Average diurnal velocity<br>of wind in miles<br>10-11 Years | 69·5            |           |           |           |        | 91·2            |           |           |           |        | 130·3           |           |           |           |        | 180·2           |           |           |           |        | 169·6           |           |           |           |        | 145·7           |           |           |           |        |

|                                                                           | JULY.           |           |           |           |        | AUGUST.         |           |           |           |        | SEPTEMBER.      |           |           |           |        | OCTOBER.        |           |           |           |        | NOVEMBER.       |           |           |           |        | DECEMBER.       |           |           |           |        |
|---------------------------------------------------------------------------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|
|                                                                           | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                                           | 1               | ...       | ...       | ...       | 1      | ...             | ...       | ...       | ...       | ...    | 1               | ...       | ...       | 1         | 2      | 5               | 5         | 5         | 6         | 21     | 14              | 10        | 14        | 14        | 52     | 12              | 13        | 10        | 10        | 45     |
| North-East . . . . .                                                      | ...             | 1         | 1         | ...       | 2      | ...             | 1         | ...       | ...       | 1      | ...             | 1         | 1         | ...       | 2      | 6               | 6         | 5         | 5         | 22     | 4               | 10        | 4         | 5         | 23     | 2               | 2         | 1         | 1         | 6      |
| East . . . . .                                                            | 7               | 9         | 3         | 2         | 21     | 4               | 8         | 5         | 1         | 18     | 4               | 7         | 4         | 4         | 19     | 4               | 12        | 3         | 4         | 23     | 4               | 5         | 2         | 3         | 14     | 2               | 3         | 1         | 1         | 7      |
| South-East . . . . .                                                      | 4               | 2         | 8         | 8         | 22     | 6               | 4         | 8         | 8         | 26     | 7               | 6         | 7         | 7         | 27     | 6               | 1         | 2         | 5         | 14     | 2               | 1         | 2         | 1         | 6      | 2               | 2         | 3         | 3         | 10     |
| South . . . . .                                                           | 6               | 5         | 8         | 12        | 31     | 7               | 4         | 10        | 12        | 33     | 10              | 8         | 10        | 13        | 41     | 3               | ...       | 5         | 5         | 13     | ...             | ...       | ...       | 1         | 1      | 1               | ...       | 1         | 3         |        |
| South-West . . . . .                                                      | 11              | 12        | 8         | 8         | 39     | 11              | 10        | 8         | 9         | 38     | 6               | 8         | 5         | 3         | 22     | 2               | 3         | 5         | 1         | 11     | 1               | 1         | 2         | ...       | 4      | 1               | 2         | 1         | 4         | 8      |
| West . . . . .                                                            | 2               | 1         | 3         | 1         | 7      | 2               | 3         | ...       | 1         | 6      | 1               | ...       | ...       | 1         | 2      | 3               | 1         | 4         | 3         | 11     | 1               | 1         | ...       | 1         | 3      | 5               | 4         | 7         | 4         | 20     |
| North-West . . . . .                                                      | ...             | 1         | ...       | ...       | 1      | 1               | 1         | ...       | ...       | 2      | 1               | ...       | 3         | 1         | 5      | 2               | 3         | 2         | 2         | 9      | 4               | 2         | 6         | 5         | 17     | 6               | 5         | 7         | 7         | 25     |
| Calm . . . . .                                                            | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Variable . . . . .                                                        | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Resultant { Percentage<br>Direction .                                     | 57<br>S. 2° E.  |           |           |           |        | 61<br>S. 2° E.  |           |           |           |        | 59<br>S. 15° E. |           |           |           |        | 21<br>N. 62° E. |           |           |           |        | 62<br>N. 13° E. |           |           |           |        | 46<br>N. 26° W. |           |           |           |        |
|                                                                           | 161·7           |           |           |           |        | 138·1           |           |           |           |        | 109·4           |           |           |           |        | 66·0            |           |           |           |        | 75·0            |           |           |           |        | 68·3            |           |           |           |        |
| Mean diurnal velocity<br>of wind in miles .                               | 161·7           |           |           |           |        | 138·1           |           |           |           |        | 109·4           |           |           |           |        | 66·0            |           |           |           |        | 75·0            |           |           |           |        | 68·3            |           |           |           |        |
| Average Resultant { Percentage<br>Direction .                             | 65<br>S. 11° E. |           |           |           |        | 57<br>S. 17° E. |           |           |           |        | 43<br>S. 27° E. |           |           |           |        | 11<br>N. 48° W. |           |           |           |        | 58<br>N. 17° W. |           |           |           |        | 60<br>N. 26° W. |           |           |           |        |
|                                                                           | 127·5           |           |           |           |        | 126·9           |           |           |           |        | 110·2           |           |           |           |        | 77·0            |           |           |           |        | 70·7            |           |           |           |        | 72·8            |           |           |           |        |
| 15 Years.<br>Average diurnal velocity<br>of wind in miles<br>11-12 Years. | 127·5           |           |           |           |        | 126·9           |           |           |           |        | 110·2           |           |           |           |        | 77·0            |           |           |           |        | 70·7            |           |           |           |        | 72·8            |           |           |           |        |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 53.—SAUGOR ISLAND (4 observations daily).

|                                                                  | JANUARY.     |           |           |           |        | FEBRUARY. |           |           |           |           | MARCH.   |           |           |           |        | APRIL.   |           |           |           |        | MAY.     |           |           |           |        | JUNE.    |           |           |           |        |
|------------------------------------------------------------------|--------------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|--------|----------|-----------|-----------|-----------|--------|----------|-----------|-----------|-----------|--------|----------|-----------|-----------|-----------|--------|
|                                                                  | 4 hours.     | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total.    | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                                  | 9            | 9         | 12        | 11        | 41     | 3         | 10        | 7         | 3         | 23        | ...      | 4         | ...       | 1         | 5      | ...      | 2         | 1         | ...       | 3      | ...      | ...       | ...       | ...       | ...    | 1        | 1         | ...       | ...       | 2      |
| North-East . . . . .                                             | 6            | 4         | 1         | 5         | 16     | 3         | 3         | 1         | 2         | 9         | ...      | 4         | 1         | 2         | 7      | ...      | ...       | ...       | ...       | ...    | ...      | ...       | 1         | 1         | 2      | 1        | 3         | ...       | 2         | 6      |
| East . . . . .                                                   | ...          | 1         | ...       | 1         | 2      | ...       | ...       | ...       | 1         | 1         | 2        | 1         | ...       | 1         | 4      | ...      | ...       | 1         | ...       | 1      | ...      | 1         | ...       | 1         | 2      | 3        | 1         | 1         | 2         | 7      |
| South-East . . . . .                                             | ...          | ...       | ...       | 1         | 1      | ...       | ...       | ...       | 1         | 1         | 1        | 1         | 3         | 2         | 7      | ...      | ...       | 3         | 1         | 4      | 2        | 1         | 5         | 5         | 13     | 4        | 4         | 9         | 6         | 23     |
| South . . . . .                                                  | 6            | ...       | 7         | 9         | 22     | 4         | 1         | 6         | 12        | 23        | 8        | 10        | 19        | 17        | 54     | 11       | 13        | 21        | 20        | 65     | 18       | 18        | 21        | 19        | 76     | 10       | 9         | 16        | 12        | 47     |
| South-West . . . . .                                             | 4            | 2         | 6         | 4         | 16     | 10        | 5         | 7         | 6         | 28        | 15       | 9         | 3         | 7         | 34     | 16       | 12        | 4         | 8         | 40     | 10       | 10        | 3         | 4         | 27     | 9        | 8         | 3         | 8         | 28     |
| West . . . . .                                                   | 1            | 2         | ...       | ...       | 3      | 3         | 4         | 2         | ...       | 9         | 2        | 1         | 1         | 1         | 5      | 1        | 1         | ...       | ...       | 2      | 1        | 1         | ...       | ...       | 2      | ...      | 2         | 1         | ...       | 3      |
| North-West . . . . .                                             | 2            | 7         | 2         | ...       | 11     | 1         | 3         | 3         | 2         | 9         | 2        | 1         | 3         | ...       | 6      | ...      | 1         | ...       | ...       | 1      | ...      | ...       | ...       | ...       | ...    | 2        | 2         | ...       | ...       | 4      |
| Calm . . . . .                                                   | 3            | 4         | 2         | ...       | 9      | 4         | 1         | 2         | 1         | 8         | 1        | ...       | 1         | ...       | 2      | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    |
| Variable . . . . .                                               | ...          | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    |
| Resultant {                                                      | Percentage . | 23        |           |           |        | 25        |           |           |           | 58        |          |           |           | 83        |        |          |           | 85        |           |        |          | 62        |           |           |        |          |           |           |           |        |
|                                                                  | Direction .  | N. 17° W. |           |           |        | S. 74° W. |           |           |           | S. 16° W. |          |           |           | S. 16° W. |        |          |           | S. 5° W.  |           |        |          | S. 1° E.  |           |           |        |          |           |           |           |        |
| Mean diurnal velocity of wind in miles . . . . .                 |              | 186'1     |           |           |        | 214'7     |           |           |           | 320'8     |          |           |           | 482'0     |        |          |           | 414'7     |           |        |          | 394'3     |           |           |        |          |           |           |           |        |
| Average Resultant {                                              | Percentage . | 19        |           |           |        | 23        |           |           |           | 60        |          |           |           | 76        |        |          |           | 69        |           |        |          | 69        |           |           |        |          |           |           |           |        |
|                                                                  | Direction .  | N. 1° E.  |           |           |        | S. 50° W. |           |           |           | S. 33° W. |          |           |           | S. 20° W. |        |          |           | S. 12° W. |           |        |          | S. 15° W. |           |           |        |          |           |           |           |        |
| Average diurnal velocity of wind in miles . . . . .<br>15 Years. |              | 146'6     |           |           |        | 189'3     |           |           |           | 289'2     |          |           |           | 399'6     |        |          |           | 363'3     |           |        |          | 341'7     |           |           |        |          |           |           |           |        |

|                                                                     | JULY.        |           |           |           |        | AUGUST.   |           |           |           |           | SEPTEMBER. |           |           |           |        | OCTOBER. |           |           |           |        | NOVEMBER. |           |           |           |        | DECEMBER. |           |           |           |        |
|---------------------------------------------------------------------|--------------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|--------|----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|
|                                                                     | 4 hours.     | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total.    | 4 hours.   | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                                     | ...          | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...        | ...       | 1         | ...       | 1      | 3        | 3         | 4         | 4         | 14     | 13        | 10        | 16        | 13        | 52     | 9         | 17        | 10        | 8         | 44     |
| North-East . . . . .                                                | ...          | 1         | ...       | ...       | 1      | 2         | ...       | ...       | ...       | 2         | 3          | 2         | 1         | 2         | 8      | 3        | 9         | 3         | 3         | 18     | 10        | 11        | 3         | 5         | 29     | 7         | 3         | 1         | 5         | 16     |
| East . . . . .                                                      | 2            | 4         | 2         | 2         | 10     | 2         | 4         | 2         | 1         | 9         | 4          | 4         | 3         | 7         | 18     | 7        | 4         | 3         | 3         | 17     | 2         | 6         | 2         | 2         | 12     | 4         | 4         | 1         | 2         | 11     |
| South-East . . . . .                                                | 5            | 4         | 8         | 6         | 23     | 5         | 6         | 9         | 9         | 29        | 1          | 4         | 7         | 4         | 16     | 4        | 4         | 4         | 6         | 18     | ...       | ...       | 2         | 1         | 3      | 1         | ...       | 2         | 4         | 4      |
| South . . . . .                                                     | 10           | 7         | 10        | 13        | 40     | 8         | 7         | 12        | 12        | 39        | 13         | 10        | 11        | 14        | 48     | 4        | 3         | 3         | 7         | 17     | 2         | ...       | 1         | 4         | 7      | 1         | 1         | 1         | 4         | 7      |
| South-West . . . . .                                                | 13           | 12        | 9         | 9         | 43     | 11        | 9         | 7         | 6         | 33        | 9          | 6         | 5         | 3         | 23     | 5        | 1         | 6         | 3         | 15     | 2         | 1         | 3         | 2         | 8      | 4         | 1         | 7         | 4         | 16     |
| West . . . . .                                                      | 1            | 2         | 2         | 1         | 6      | 1         | 4         | 1         | 1         | 7         | ...        | 4         | 1         | ...       | 5      | 3        | 3         | 6         | 3         | 15     | ...       | 1         | 1         | 1         | 3      | 2         | ...       | 3         | 2         | 7      |
| North-West . . . . .                                                | ...          | ...       | ...       | ...       | ...    | 1         | 1         | ...       | ...       | 2         | ...        | ...       | 1         | ...       | 1      | 1        | 3         | 2         | 1         | 7      | 1         | 1         | 2         | 2         | 6      | 2         | 4         | 5         | 2         | 13     |
| Calm . . . . .                                                      | ...          | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...        | ...       | ...       | ...       | ...    | 1        | ...       | ...       | 1         | 2      | ...       | ...       | ...       | ...       | ...    | 1         | ...       | ...       | 3         | 4      |
| Variable . . . . .                                                  | ...          | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...        | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    |
| Resultant {                                                         | Percentage . | 70        |           |           |        | 66        |           |           |           | 58        |            |           |           | 12        |        |          |           | 55        |           |        |           | 36        |           |           |        |           |           |           |           |        |
|                                                                     | Direction .  | S. 6° W.  |           |           |        | S. 1° W.  |           |           |           | S. 11° E. |            |           |           | S. 54° E. |        |          |           | N. 19° E. |           |        |           | N. 3° W.  |           |           |        |           |           |           |           |        |
| Mean diurnal velocity of wind in miles . . . . .                    |              | 465'9     |           |           |        | 360'5     |           |           |           | 315'8     |            |           |           | 150'3     |        |          |           | 191'5     |           |        |           | 165'3     |           |           |        |           |           |           |           |        |
| Average Resultant {                                                 | Percentage . | 59        |           |           |        | 54        |           |           |           | 48        |            |           |           | 13        |        |          |           | 58        |           |        |           | 56        |           |           |        |           |           |           |           |        |
|                                                                     | Direction .  | S. 24° W. |           |           |        | S. 17° W. |           |           |           | S. 4° W.  |            |           |           | N. 10° E. |        |          |           | N. 5° E.  |           |        |           | N. 7° E.  |           |           |        |           |           |           |           |        |
| Average diurnal velocity of wind in miles . . . . .<br>14-15 Years. |              | 339'9     |           |           |        | 294'0     |           |           |           | 238'8     |            |           |           | 154'2     |        |          |           | 153'2     |           |        |           | 149'7     |           |           |        |           |           |           |           |        |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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## 54.—CUTTACK (up to August 2, afterwards 4 observations daily).

|                                                        | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        |
|--------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|
|                                                        | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |
| North . . . . .                                        | 14        | 12        | 26     | 3         | 3         | 6      | 3         | ...       | 3      | 1         | ...       | 1      | 1         | ...       | 1      | ...       | ...       | ...    |
| North-East . . . . .                                   | 15        | 13        | 28     | 9         | 10        | 19     | 1         | 1         | 2      | 1         | ...       | 1      | ...       | ...       | ...    | 1         | ...       | 1      |
| East . . . . .                                         | ...       | 1         | 1      | ...       | 1         | 1      | 1         | 1         | 2      | 1         | 1         | 2      | ...       | 1         | 1      | 4         | 4         | 8      |
| South-East . . . . .                                   | ...       | ...       | ...    | 2         | 1         | 3      | 1         | 2         | 3      | 2         | 3         | 5      | 3         | 2         | 5      | 4         | 4         | 8      |
| South . . . . .                                        | ...       | 1         | 1      | 7         | 2         | 9      | 12        | 11        | 23     | 9         | 13        | 22     | 11        | 16        | 27     | 7         | 7         | 14     |
| South-West . . . . .                                   | ...       | ...       | ...    | 4         | 1         | 5      | 7         | 3         | 10     | 10        | 8         | 18     | 14        | 9         | 23     | 6         | 5         | 11     |
| West . . . . .                                         | ...       | ...       | ...    | ...       | 3         | 3      | 2         | 3         | 5      | 2         | 4         | 6      | 1         | 2         | 3      | 5         | 7         | 12     |
| North-West . . . . .                                   | ...       | ...       | ...    | 3         | 7         | 10     | 3         | 1         | 4      | 2         | 1         | 3      | 1         | 1         | 2      | 2         | 3         | 5      |
| Calm . . . . .                                         | 2         | 4         | 6      | ...       | ...       | ...    | 1         | 9         | 10     | 2         | ...       | 2      | ...       | ...       | ...    | 1         | ...       | 1      |
| Variable . . . . .                                     | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |
| Resultant { Percentage . . .                           | 80        |           |        | 22        |           |        | 43        |           |        | 62        |           |        | 76        |           |        | 41        |           |        |
| Resultant { Direction . . .                            | N. 25° E. |           |        | N. 14° E. |           |        | S. 21° W. |           |        | S. 23° W. |           |        | S. 20° W. |           |        | S. 21° W. |           |        |
| Mean diurnal velocity of wind in miles . . . . .       | 19'2      |           |        | 31'9      |           |        | 67'8      |           |        | 114'9     |           |        | 72'9      |           |        | 68'6      |           |        |
| Average Resultant { Percentage . . .                   | 11        |           |        | 13        |           |        | 43        |           |        | 62        |           |        | 61        |           |        | 53        |           |        |
| Average Resultant { Direction . . .                    | N. 45° E. |           |        | S. 16° W. |           |        | S. 16° W. |           |        | S. 17° W. |           |        | S. 5° W.  |           |        | S. 31° W. |           |        |
| Average diurnal velocity of wind in miles 13-15 Years. | 35'3      |           |        | 55'6      |           |        | 85'2      |           |        | 124'5     |           |        | 122'9     |           |        | 95'7      |           |        |

|                                                        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |           |           |        | OCTOBER.  |           |           |           |        | NOVEMBER. |           |           |           |        | DECEMBER. |           |           |           |        |
|--------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|
|                                                        | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 4 hours.   | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                        | 5         | 3         | 8      | ...       | ...       | ...    | 3          | 2         | 3         | 2         | 10     | 1         | 5         | 3         | ...       | 9      | ...       | ...       | 1         | ...       | 1      | 3         | 1         | 2         | ...       | 6      |
| North-East . . . . .                                   | 2         | 3         | 5      | 4         | 3         | 7      | 1          | 2         | 4         | 1         | 8      | 2         | 10        | 7         | 1         | 20     | 3         | 2         | 3         | 2         | 10     | 1         | 1         | ...       | 2         | 4      |
| East . . . . .                                         | 1         | 1         | 2      | 3         | 3         | 6      | ...        | ...       | 1         | ...       | 1      | 1         | 1         | 3         | ...       | 5      | 5         | 7         | 12        | 3         | 27     | 1         | 2         | 3         | 1         | 7      |
| South-East . . . . .                                   | 1         | ...       | 1      | 2         | 3         | 5      | ...        | 1         | 3         | 1         | 5      | ...       | 1         | 2         | ...       | 3      | 1         | 2         | 5         | 2         | 10     | 1         | 6         | 5         | ...       | 12     |
| South . . . . .                                        | 9         | 10        | 19     | 4         | 6         | 10     | ...        | 4         | 2         | ...       | 6      | 1         | 4         | 2         | 1         | 8      | ...       | ...       | 1         | ...       | 1      | 1         | 1         | 2         | ...       | 4      |
| South-West . . . . .                                   | 5         | 6         | 11     | 6         | 7         | 13     | 2          | 5         | 2         | 2         | 11     | ...       | 1         | 2         | ...       | 3      | ...       | ...       | 1         | ...       | 1      | 1         | ...       | 1         | ...       | 2      |
| West . . . . .                                         | 6         | 8         | 14     | 11        | 9         | 20     | ...        | 6         | 6         | 2         | 14     | ...       | 1         | ...       | ...       | 1      | ...       | ...       | 1         | ...       | 1      | ...       | ...       | ...       | ...       | ...    |
| North-West . . . . .                                   | 1         | ...       | 1      | ...       | ...       | ...    | 2          | 5         | 5         | 1         | 13     | 1         | ...       | 1         | 1         | 3      | ...       | ...       | ...       | 1         | 1      | ...       | ...       | ...       | 1         | 1      |
| Calm . . . . .                                         | 1         | ...       | 1      | 1         | ...       | 1      | 20         | 5         | 3         | 20        | 48     | 19        | 3         | 6         | 22        | 50     | 20        | 19        | 6         | 21        | 66     | 20        | 17        | 15        | 24        | 76     |
| Variable . . . . .                                     | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    |
| Resultant { Percentage . . .                           | 36        |           |        | 37        |           |        | 19         |           |           |           |        | 20        |           |           |           |        | 33        |           |           |           |        | 15        |           |           |           |        |
| Resultant { Direction . . .                            | S. 47° W. |           |        | S. 40° W. |           |        | N. 70° W.  |           |           |           |        | N. 51° E. |           |           |           |        | E.        |           |           |           |        | S. 75° E. |           |           |           |        |
| Mean diurnal velocity of wind in miles . . . . .       | 78'2      |           |        | 27'4      |           |        | 34'3       |           |           |           |        | 24'0      |           |           |           |        | 39'3      |           |           |           |        | 15'6      |           |           |           |        |
| Average Resultant { Percentage . . .                   | 52        |           |        | 45        |           |        | 20         |           |           |           |        | 25        |           |           |           |        | 43        |           |           |           |        | 35        |           |           |           |        |
| Average Resultant { Direction . . .                    | S. 44° W. |           |        | S. 44° W. |           |        | S. 10° W.  |           |           |           |        | N. 32° E. |           |           |           |        | N. 1° W.  |           |           |           |        | N. 12° E. |           |           |           |        |
| Average diurnal velocity of wind in miles 14-15 Years. | 78'5      |           |        | 61'7      |           |        | 54'7       |           |           |           |        | 43'3      |           |           |           |        | 38'5      |           |           |           |        | 31'8      |           |           |           |        |



TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

56.—SAMBALPUR (2 observations daily).

|                                                           | JANUARY.        |                 |        | FEBRUARY. |                 |        | MARCH.    |                 |        | APRIL.    |                 |        | MAY.      |                 |        | JUNE.     |                 |        | JULY.     |                 |        | AUGUST.   |                 |        | SEPTEMBER. |                 |        | OCTOBER.  |                 |        | NOVEMBER. |                 |        | DECEMBER. |     |     |
|-----------------------------------------------------------|-----------------|-----------------|--------|-----------|-----------------|--------|-----------|-----------------|--------|-----------|-----------------|--------|-----------|-----------------|--------|-----------|-----------------|--------|-----------|-----------------|--------|-----------|-----------------|--------|------------|-----------------|--------|-----------|-----------------|--------|-----------|-----------------|--------|-----------|-----|-----|
|                                                           | 10 hours.       | 16 hours.       | Total. | 10 hours. | 16 hours.       | Total. | 10 hours. | 16 hours.       | Total. | 10 hours. | 16 hours.       | Total. | 10 hours. | 16 hours.       | Total. | 10 hours. | 16 hours.       | Total. | 10 hours. | 16 hours.       | Total. | 10 hours. | 16 hours.       | Total. | 10 hours.  | 16 hours.       | Total. | 10 hours. | 16 hours.       | Total. | 10 hours. | 16 hours.       | Total. |           |     |     |
| North . . .                                               | 3               | 2               | 5      | 3         | 3               | 6      | 2         | 2               | 4      | ...       | ...             | ...    | ...       | ...             | ...    | 1         | ...             | 1      | ...       | ...             | ...    | ...       | ...             | ...    | ...        | 1               | 1      | ...       | ...             | ...    | 1         | 2               | 3      | 6         | 2   | 8   |
| North-East . . .                                          | 7               | 5               | 12     | 12        | ...             | 12     | 7         | 3               | 10     | 5         | ...             | 5      | 3         | 3               | 6      | 2         | 1               | 3      | 1         | 3               | 4      | 4         | 1               | 5      | 4          | 8               | 12     | 11        | 7               | 18     | 18        | 13              | 31     | 10        | 7   | 17  |
| East . . .                                                | 1               | 1               | 2      | ...       | ...             | ...    | 3         | 1               | 4      | ...       | ...             | ...    | ...       | ...             | ...    | ...       | ...             | ...    | 1         | ...             | 1      | 1         | ...             | 1      | 1          | ...             | 1      | 2         | 2               | 4      | ...       | ...             | ...    | ...       | 2   | 2   |
| South-East . . .                                          | ...             | ...             | ...    | 1         | 1               | 2      | 5         | 1               | 6      | 2         | ...             | 2      | 4         | 6               | 10     | 6         | 3               | 9      | 2         | 3               | 5      | 3         | 8               | 11     | 5          | 3               | 8      | 13        | 13              | 26     | 5         | 4               | 9      | 2         | 2   | 4   |
| South . . .                                               | ...             | ...             | ...    | ...       | ...             | ...    | ...       | ...             | ...    | ...       | ...             | ...    | ...       | ...             | ...    | ...       | ...             | ...    | ...       | ...             | ...    | ...       | ...             | ...    | ...        | ...             | 1      | ...       | 1               | ...    | ...       | ...             | ...    | ...       | ... | ... |
| South-West . . .                                          | 3               | 4               | 7      | 4         | 5               | 9      | 11        | 12              | 23     | 19        | 9               | 28     | 20        | 8               | 28     | 19        | 18              | 37     | 23        | 20              | 43     | 20        | 16              | 36     | 12         | 10              | 22     | 3         | 6               | 9      | ...       | 3               | 3      | 1         | 3   | 4   |
| West . . .                                                | ...             | 1               | 1      | ...       | 4               | 4      | ...       | 2               | 2      | ...       | 6               | 6      | 1         | ...             | 1      | 1         | 1               | 2      | 2         | 2               | 4      | 1         | 2               | 3      | 1          | ...             | 1      | ...       | ...             | ...    | 1         | ...             | 1      | ...       | 1   | 1   |
| North-West . . .                                          | 17              | 15              | 32     | 8         | 12              | 20     | 3         | 10              | 13     | 4         | 14              | 18     | 2         | 12              | 14     | 1         | 2               | 3      | 2         | 3               | 5      | 1         | 4               | 5      | 7          | 8               | 15     | 1         | 3               | 4      | 5         | 8               | 13     | 12        | 14  | 26  |
| Calm . . .                                                | ...             | 3               | 3      | ...       | 3               | 3      | ...       | ...             | ...    | ...       | 1               | 1      | 1         | 2               | 3      | ...       | 5               | 5      | ...       | ...             | ...    | 1         | ...             | 1      | ...        | ...             | ...    | ...       | ...             | ...    | ...       | ...             | ...    | ...       | ... | ... |
| Variable . . .                                            | ...             | ...             | ...    | ...       | ...             | ...    | ...       | ...             | ...    | ...       | ...             | ...    | ...       | ...             | ...    | ...       | ...             | ...    | ...       | ...             | ...    | ...       | ...             | ...    | ...        | ...             | ...    | ...       | ...             | ...    | ...       | ...             | ...    | ...       | ... | ... |
| Resultant { Percentage<br>Direction .                     | 58<br>N. 30° W. | 45<br>N. 35° W. |        |           | 20<br>S. 89° W. |        |           | 57<br>S. 82° W. |        |           | 37<br>S. 57° W. |        |           | 58<br>S. 39° W. |        |           | 66<br>S. 48° W. |        |           | 53<br>S. 37° W. |        |           | 20<br>S. 85° W. |        |            | 45<br>S. 69° E. |        |           | 51<br>N. 32° E. |        |           | 54<br>N. 9° W.  |        |           |     |     |
|                                                           | 20·8            | 22·1            |        |           | 33·5            |        |           | 40·4            |        |           | 58·9            |        |           | 55·8            |        |           | 58·3            |        |           | 53·6            |        |           | 33·2            |        |            | 33·6            |        |           | 32·4            |        |           | 27·3            |        |           |     |     |
| Resultant { Percentage<br>Direction .<br>14-15 Years.     | 30<br>N. 48° W. | 19<br>N. 52° W. |        |           | 29<br>N. 88° W. |        |           | 40<br>S. 80° W. |        |           | 37<br>S. 62° W. |        |           | 42<br>S. 59° W. |        |           | 45<br>S. 50° W. |        |           | 42<br>S. 54° W. |        |           | 13<br>S. 49° W. |        |            | 29<br>N. 7° E.  |        |           | 53<br>N. 1° W.  |        |           | 48<br>N. 13° W. |        |           |     |     |
|                                                           | 39·2            | 43·6            |        |           | 50·0            |        |           | 65·6            |        |           | 74·6            |        |           | 82·7            |        |           | 84·5            |        |           | 72·3            |        |           | 54·7            |        |            | 49·8            |        |           | 31·9            |        |           | 32·9            |        |           |     |     |
| Average diurnal velocity of wind in miles .<br>3-4 years. |                 |                 |        |           |                 |        |           |                 |        |           |                 |        |           |                 |        |           |                 |        |           |                 |        |           |                 |        |            |                 |        |           |                 |        |           |                 |        |           |     |     |

57.—RAIPUR (2 observations daily).

|                                                         |   |            | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |
|---------------------------------------------------------|---|------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|
|                                                         |   |            | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |
| North                                                   | . | .          | 3         | 5         | 8      | 3         | 3         | 6      | 2         | 5         | 7      | ...       | 4         | 4      | ...       | 2         | 2      | ...       | 1         | 1      | 1         | 1         | 2      | 1         | 1         | 2      | 4          | 2         | 6      | 2         | 2         | 4      | 2         | 7         | 9      | 4         | 7   | 11  |
| North-East                                              | . | .          | 9         | 4         | 13     | 9         | ...       | 9      | 6         | 5         | 11     | 5         | ...       | 5      | 2         | 3         | 5      | ...       | 2         | 2      | ...       | 1         | 1      | 4         | 4         | 8      | 2          | 7         | 9      | 5         | 4         | 9      | 12        | 12        | 24     | 5         | 5   | 10  |
| East                                                    | . | .          | 4         | 1         | 5      | 4         | ...       | 4      | 4         | 1         | 5      | 3         | ...       | 3      | 3         | 1         | 4      | ...       | 1         | 1      | ...       | 1         | 1      | 2         | 3         | 5      | 2          | 3         | 5      | 9         | 8         | 17     | 9         | 7         | 16     | 5         | 2   | 7   |
| South-East                                              | . | .          | 2         | ...       | 2      | 1         | 1         | 2      | 4         | 1         | 5      | 1         | ...       | 1      | ...       | 1         | 1      | ...       | 3         | 3      | ...       | ...       | ...    | 1         | ...       | 1      | 1          | 1         | 2      | 3         | 5         | 8      | 1         | ...       | 1      | 2         | 2   | 4   |
| South                                                   | . | .          | 3         | ...       | 3      | 1         | 1         | 2      | 4         | 1         | 5      | 1         | 1         | 2      | 2         | 3         | 5      | ...       | 3         | 3      | 2         | 2         | 4      | ...       | 1         | 1      | ...        | 1         | 1      | 4         | ...       | 4      | ...       | ...       | ...    | ...       | 1   | 1   |
| South-West                                              | . | .          | 2         | 4         | 6      | 4         | 3         | 7      | 5         | 5         | 10     | 10        | 7         | 17     | 11        | 7         | 18     | 11        | 8         | 19     | 13        | 11        | 24     | 6         | 4         | 10     | 5          | 5         | 10     | 4         | 2         | 6      | 2         | ...       | 2      | 8         | 1   | 9   |
| West                                                    | . | .          | 2         | 6         | 8      | 6         | 9         | 15     | 5         | 7         | 12     | 8         | 11        | 19     | 10        | 7         | 17     | 14        | 8         | 22     | 12        | 11        | 23     | 13        | 15        | 28     | 9          | 6         | 16     | 2         | 3         | 5      | 2         | 1         | 3      | 4         | 5   | 9   |
| North-West                                              | . | .          | 2         | 5         | 7      | ...       | 11        | 11     | 1         | 6         | 7      | 2         | 7         | 9      | 3         | 7         | 10     | 3         | 3         | 6      | 2         | 3         | 5      | 3         | 3         | 6      | 6          | 5         | 11     | 1         | 3         | 4      | 1         | 3         | 4      | 1         | 4   | 5   |
| Calm                                                    | . | .          | 4         | 6         | 10     | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 2         | ...       | 2      | 1         | 1         | 2      | 1         | ...       | 1      | 1          | ...       | 1      | 1         | 4         | 5      | 1         | ...       | 1      | 2         | 4   | 6   |
| Variable                                                | . | .          | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |
| Resultant                                               | { | Percentage | 22        |           |        | 35        |           |        | 14        |           |        | 50        |           |        | 47        |           |        | 63        |           |        | 71        |           |        | 45        |           |        | 34         |           |        | 27        |           |        | 63        |           |        | 19        |     |     |
|                                                         |   | Direction. | N. 7° W.  |           |        | N. 54° W. |           |        | N. 62° W. |           |        | S. 88° W. |           |        | S. 78° W. |           |        | S. 71° W. |           |        | S. 71° W. |           |        | N. 84° W. |           |        | N. 58° W.  |           |        | S. 88° E. |           |        | N. 45° E. |           |        | N. 10° W. |     |     |
| Mean diurnal velocity of wind in miles                  |   |            | 57.4      |           |        | 108.6     |           |        | 146.7     |           |        | 184.0     |           |        | 208.0     |           |        | 262.9     |           |        | 254.1     |           |        | 205.8     |           |        | 176.6      |           |        | 132.3     |           |        | 125.9     |           |        | 88.9      |     |     |
| Resultant                                               | { | Percentage | 21        |           |        | 13        |           |        | 20        |           |        | 35        |           |        | 39        |           |        | 66        |           |        | 77        |           |        | 64        |           |        | 29         |           |        | 37        |           |        | 57        |           |        | 48        |     |     |
|                                                         |   | Direction. | N. 5° E.  |           |        | N. 40° W. |           |        | N. 79° W. |           |        | N. 88° W. |           |        | N. 78° W. |           |        | S. 74° W. |           |        | S. 68° W. |           |        | S. 76° W. |           |        | S. 69° W.  |           |        | N. 28° E. |           |        | N. 31° E. |           |        | N. 35° E. |     |     |
| Average diurnal velocity of wind in miles. 14-15 Years. |   |            | 59.7      |           |        | 88.2      |           |        | 110.4     |           |        | 138.2     |           |        | 174.4     |           |        | 203.2     |           |        | 275.1     |           |        | 171.6     |           |        | 138.7      |           |        | 90.5      |           |        | 78.1      |           |        | 61.0      |     |     |
| Average diurnal velocity of wind in miles. 15-17 Years. |   |            | 59.7      |           |        | 88.2      |           |        | 110.4     |           |        | 138.2     |           |        | 174.4     |           |        | 203.2     |           |        | 275.1     |           |        | 171.6     |           |        | 138.7      |           |        | 90.5      |           |        | 78.1      |           |        | 61.0      |     |     |



TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 59.—SEONI (2 observations daily).

|                                                               | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |
|---------------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|
|                                                               | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |
| North . . .                                                   | 2         | 5         | 7      | 6         | 6         | 12     | 3         | 1         | 4      | 1         | 5         | 6      | 2         | 6         | 8      | 3         | 6         | 9      | ...       | 4         | 4      | 1         | 5         | 6      | 5          | 8         | 13     | 2         | 4         | 6      | 2         | 6         | 8      | 6         | 6   | 12  |
| North-East . . .                                              | 6         | 4         | 10     | 10        | 2         | 12     | 1         | 2         | 3      | 3         | 1         | 4      | ...       | ...       | ...    | 2         | 1         | 3      | 1         | ...       | 1      | 2         | 2         | 4      | 2          | 2         | 4      | 3         | 2         | 5      | 5         | 6         | 11     | 3         | 5   | 8   |
| East . . .                                                    | 4         | 2         | 6      | 5         | ...       | 5      | 6         | 4         | 10     | 5         | 3         | 8      | 2         | 1         | 3      | 1         | 3         | 4      | 2         | ...       | 2      | 1         | 1         | 2      | 2          | 1         | 3      | 6         | 3         | 9      | 7         | 7         | 14     | 6         | 5   | 11  |
| South-East . . .                                              | 5         | 4         | 9      | ...       | 1         | 1      | 5         | 5         | 10     | 2         | 3         | 5      | 1         | ...       | 1      | 1         | ...       | 1      | 1         | ...       | 1      | 1         | ...       | 1      | ...        | 1         | 1      | 7         | 5         | 12     | 7         | 2         | 9      | 3         | ... | 3   |
| South . . .                                                   | 6         | 7         | 13     | 1         | 5         | 6      | 5         | 7         | 12     | 4         | ...       | 4      | 10        | 7         | 17     | 2         | 5         | 7      | 3         | 4         | 7      | ...       | 2         | 2      | 1          | 5         | 6      | 6         | 9         | 15     | 3         | 2         | 5      | 3         | 8   | 11  |
| South-West . . .                                              | 3         | 7         | 10     | 1         | 3         | 4      | 4         | 3         | 7      | 3         | 4         | 7      | 5         | 5         | 10     | 5         | 6         | 11     | 4         | 4         | 8      | 7         | 2         | 9      | 1          | 2         | 3      | 2         | 2         | 4      | ...       | 1         | 1      | 3         | 2   | 5   |
| West . . .                                                    | 2         | 1         | 3      | 1         | 4         | 5      | 1         | 7         | 8      | 4         | 7         | 11     | 5         | 4         | 9      | 6         | 3         | 9      | 10        | 12        | 22     | 10        | 12        | 22     | 5          | 5         | 10     | ...       | 1         | 1      | 1         | 1         | 2      | 2         | ... | 2   |
| North-West . . .                                              | ...       | 1         | 1      | 2         | 5         | 7      | 4         | 2         | 6      | 5         | 7         | 12     | 4         | 7         | 11     | 7         | 5         | 12     | 7         | 7         | 14     | 6         | 7         | 13     | 11         | 6         | 17     | 2         | 5         | 7      | 3         | 5         | 8      | 2         | 5   | 7   |
| Calm . . .                                                    | 3         | ...       | 3      | 2         | 2         | 4      | 2         | ...       | 2      | 3         | ...       | 3      | 2         | 1         | 3      | 3         | 1         | 4      | 3         | ...       | 3      | 3         | ...       | 3      | 3          | ...       | 3      | 3         | ...       | 3      | 2         | ...       | 2      | 3         | ... | 3   |
| Variable . . .                                                | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |
| Resultant { Percentage<br>Direction .                         | 23        |           |        | 29        |           |        | 22        |           |        | 19        |           |        | 36        |           |        | 31        |           |        | 55        |           |        | 54        |           |        | 43         |           |        | 27        |           |        | 36        |           |        | 16        |     |     |
|                                                               | S. 37° E. |           |        | N. 5° E.  |           |        | S. 8° E.  |           |        | N. 64° W. |           |        | S. 66° W. |           |        | N. 77° W. |           |        | N. 88° W. |           |        | N. 74° W. |           |        | N. 43° W.  |           |        | S. 46° E. |           |        | N. 65° E. |           |        | N. 54° E. |     |     |
| Mean diurnal velocity<br>of wind in miles .                   | 43·8      |           |        | 71·2      |           |        | 92·1      |           |        | 97·8      |           |        | 144·9     |           |        | 139·9     |           |        | 162·1     |           |        | 121·1     |           |        | 98·3       |           |        | 72·1      |           |        | 56·2      |           |        | 51·4      |     |     |
| Average Resultant { Percentage<br>Direction .                 | 11        |           |        | 10        |           |        | 16        |           |        | 29        |           |        | 39        |           |        | 47        |           |        | 57        |           |        | 50        |           |        | 29         |           |        | 49        |           |        | 54        |           |        | 38        |     |     |
|                                                               | N. 75° E. |           |        | N. 40° W. |           |        | N. 71° W. |           |        | N. 71° W. |           |        | N. 58° W. |           |        | S. 83° W. |           |        | S. 78° W. |           |        | N. 86° W. |           |        | N. 56° W.  |           |        | N. 28° E. |           |        | N. 55° E. |           |        | N. 44° E. |     |     |
| Average diurnal velocity<br>of wind in miles.<br>16-17 Years. | 63·6      |           |        | 70·8      |           |        | 81·8      |           |        | 91·0      |           |        | 108·9     |           |        | 136·9     |           |        | 144·7     |           |        | 112·2     |           |        | 93·2       |           |        | 74·5      |           |        | 61·9      |           |        | 60·2      |     |     |

## 60.—JUBBULPORE (2 observations daily).

|                                                                            | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |  |  |
|----------------------------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|--|--|
|                                                                            | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |  |  |
| North . . .                                                                | 3         | 4         | 7      | 2         | 4         | 6      | ...       | 3         | 3      | 3         | 1         | 4      | ...       | 1         | 1      | 3         | 3         | 6      | ...       | ...       | ...    | ...       | ...       | ...    | 1          | ...       | 1      | ...       | 1         | 1      | 1         | 3         | 4      |           |  |  |
| North-East . . .                                                           | 3         | 6         | 9      | 10        | 3         | 13     | 2         | 4         | 6      | 4         | 2         | 6      | ...       | 3         | 3      | 1         | 3         | 4      | 2         | 3         | 5      | 2         | ...       | 2      | 1          | 5         | 6      | 2         | 8         | 10     | 3         | 15        | 18     |           |  |  |
| East . . .                                                                 | ...       | 2         | 2      | 1         | ...       | 1      | 2         | ...       | 2      | 1         | ...       | 1      | ...       | 2         | 2      | ...       | 1         | 1      | 1         | ...       | 1      | 1         | 3         | 4      | 1          | 3         | 4      | 4         | 1         | 5      | 3         | 1         | 4      |           |  |  |
| South-East . . .                                                           | 2         | ...       | 2      | 1         | ...       | 1      | 4         | 2         | 6      | 1         | ...       | 1      | 3         | 3         | 6      | ...       | 4         | 4      | ...       | 1         | 1      | ...       | ...       | ...    | 1          | ...       | 1      | 3         | 1         | 4      | 3         | ...       | 3      |           |  |  |
| South . . .                                                                | 8         | 4         | 12     | 4         | 2         | 6      | 7         | 1         | 8      | 5         | 2         | 7      | 5         | 2         | 7      | ...       | 3         | 3      | 3         | ...       | 3      | 1         | 1         | 2      | 1          | ...       | 1      | 4         | 1         | 5      | 1         | ...       | 1      |           |  |  |
| South-West . . .                                                           | 1         | 1         | 2      | 2         | ...       | 2      | 2         | ...       | 2      | 2         | ...       | 2      | 5         | 3         | 8      | 5         | 3         | 8      | 5         | 8         | 13     | 6         | 4         | 10     | 3          | 2         | 5      | ...       | ...       | ...    | ...       | ...       | ...    |           |  |  |
| West . . .                                                                 | 1         | 4         | 5      | 1         | 4         | 5      | 4         | 11        | 15     | 5         | 11        | 16     | 11        | 4         | 15     | 13        | 7         | 20     | 11        | 12        | 23     | 11        | 19        | 30     | 12         | 10        | 22     | 2         | 3         | 5      | ...       | 1         | 1      |           |  |  |
| North-West . . .                                                           | 2         | 8         | 10     | 2         | 10        | 12     | 3         | 5         | 8      | 2         | 14        | 16     | 3         | 9         | 12     | 6         | 4         | 10     | 5         | 6         | 11     | 6         | 3         | 9      | 8          | 7         | 15     | ...       | 6         | 6      | ...       | 3         | 3      |           |  |  |
| Calm . . .                                                                 | 11        | 2         | 13     | 5         | 5         | 10     | 7         | 5         | 12     | 7         | ...       | 7      | 4         | 4         | 8      | 2         | 2         | 4      | 4         | 1         | 5      | 4         | 1         | 5      | 2          | 3         | 5      | 16        | 10        | 26     | 19        | 7         | 26     |           |  |  |
| Variable . . .                                                             | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |  |  |
| Resultant { Percentage<br>Direction .                                      | 11        |           |        | 29        |           |        | 19        |           |        | 42        |           |        | 35        |           |        | 44        |           |        | 56        |           |        | 61        |           |        | 49         |           |        | 12        |           |        | 37        |           |        | ?         |  |  |
|                                                                            | N. 33° W. |           |        | N. 14° W. |           |        | S. 86° W. |           |        | N. 65° W. |           |        | S. 76° W. |           |        | N. 80° W. |           |        | S. 87° W. |           |        | S. 88° W. |           |        | N. 69° W.  |           |        | N. 52° E. |           |        | N. 45° E. |           |        |           |  |  |
| Mean diurnal velocity of wind in miles .                                   | 30·6      |           |        | 36·0      |           |        | 62·1      |           |        | 53·7      |           |        | 76·5      |           |        | 83·1      |           |        | 87·8      |           |        | 71·6      |           |        | 58·0       |           |        | 26·4      |           |        | 17·1      |           |        | ?         |  |  |
| Average Resultant { Percentage<br>Direction .                              | 17        |           |        | 20        |           |        | 22        |           |        | 32        |           |        | 44        |           |        | 54        |           |        | 65        |           |        | 64        |           |        | 34         |           |        | 17        |           |        | 25        |           |        | 17        |  |  |
|                                                                            | N. 8° E.  |           |        | N. 13° W. |           |        | N. 69° W. |           |        | N. 66° W. |           |        | N. 62° W. |           |        | N. 80° W. |           |        | N. 87° W. |           |        | N. 84° W. |           |        | N. 69° W.  |           |        | N. 3° E.  |           |        | N. 47° E. |           |        | N. 32° E. |  |  |
| 14-15 Years.<br>Average diurnal velocity of wind in miles.<br>17-18 Years. | 51·6      |           |        | 60·7      |           |        | 71·3      |           |        | 83·2      |           |        | 107·5     |           |        | 129·1     |           |        | 118·9     |           |        | 109·5     |           |        | 82·0       |           |        | 51·6      |           |        | 43·4      |           |        | 43·8      |  |  |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

61.—SAUGOR (2 observations daily).

|                                                     | JANUARY.     |           |        | FEBRUARY. |           |           | MARCH.    |           |        | APRIL.    |           |           | MAY.      |           |        | JUNE.     |           |        |
|-----------------------------------------------------|--------------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|--------|
|                                                     | 10 hours.    | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |
| North . . . . .                                     | 3            | 2         | 5      | 4         | 5         | 9         | 1         | 4         | 5      | 4         | 3         | 7         | 1         | 7         | 8      | 1         | 6         | 7      |
| North-East . . . . .                                | 5            | 5         | 10     | 11        | 4         | 15        | 3         | 1         | 4      | 3         | ...       | 3         | ...       | 1         | 1      | 3         | 2         | 5      |
| East . . . . .                                      | 9            | 2         | 11     | 2         | 1         | 3         | 5         | 2         | 7      | 3         | ...       | 3         | 4         | ...       | 4      | ...       | 1         | 1      |
| South-East . . . . .                                | 6            | 5         | 11     | 4         | 1         | 5         | 5         | ...       | 5      | 3         | ...       | 3         | 1         | ...       | 1      | ...       | ...       | ...    |
| South . . . . .                                     | 3            | ...       | 3      | 1         | 2         | 3         | 4         | 1         | 5      | 1         | ...       | 1         | 1         | 1         | 2      | ...       | ...       | ...    |
| South-West . . . . .                                | 4            | 4         | 8      | 1         | 4         | 5         | 6         | 4         | 10     | 4         | 8         | 12        | 9         | 10        | 19     | 7         | 5         | 12     |
| West . . . . .                                      | 1            | 6         | 7      | 3         | 8         | 11        | 3         | 10        | 13     | 7         | 10        | 17        | 8         | 9         | 17     | 13        | 9         | 22     |
| North-West . . . . .                                | ...          | 7         | 7      | 2         | 3         | 5         | 4         | 9         | 13     | 5         | 9         | 14        | 7         | 3         | 10     | 6         | 7         | 13     |
| Calm . . . . .                                      | ...          | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...    |
| Variable . . . . .                                  | ...          | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...    |
| Resultant {                                         | Percentage . | 13        |        | 23        |           | 26        |           | 49        |        | 52        |           | 61        |           |           |        |           |           |        |
|                                                     | Direction .  | N. 86° E. |        | N. 4° W.  |           | N. 85° W. |           | N. 75° W. |        | S. 89° W. |           | N. 72° W. |           |           |        |           |           |        |
| Mean diurnal velocity of wind in miles . . . . .    |              | 62.9      |        | 68.9      |           | 105.0     |           | 77.2      |        | 122.3     |           | 147.3     |           |           |        |           |           |        |
| Average {                                           | Percentage . | 24        |        | 24        |           | 33        |           | 47        |        | 60        |           | 63        |           |           |        |           |           |        |
|                                                     | Direction .  | N. 13° E. |        | N. 6° W.  |           | N. 55° W. |           | N. 73° W. |        | N. 89° W. |           | S. 82° W. |           |           |        |           |           |        |
| 14-15 Years.                                        |              |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |        |
| Average diurnal velocity of wind in miles . . . . . |              | 62.7      |        | 65.8      |           | 73.1      |           | 84.9      |        | 98.8      |           | 119.9     |           |           |        |           |           |        |
| 14-15 Years.                                        |              |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |        |

|                                                         | JULY.        |           |        | AUGUST.   |           |           | SEPTEMBER. |           |        | OCTOBER.  |           |           | NOVEMBER. |           |        | DECEMBER. |           |        |
|---------------------------------------------------------|--------------|-----------|--------|-----------|-----------|-----------|------------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|--------|
|                                                         | 10 hours.    | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |
| North . . . . .                                         | ...          | 2         | 2      | 2         | 2         | 4         | 3          | 10        | 13     | 4         | 9         | 13        | ...       | 11        | 11     | 4         | 9         | 13     |
| North-East . . . . .                                    | 1            | 1         | 2      | 3         | 3         | 6         | 3          | 1         | 4      | 8         | 9         | 17        | 7         | 8         | 15     | 7         | 7         | 14     |
| East . . . . .                                          | 2            | 2         | 4      | 1         | 1         | 2         | 2          | 1         | 3      | 8         | 4         | 12        | 7         | 3         | 10     | 5         | 1         | 6      |
| South-East . . . . .                                    | 2            | 1         | 3      | 1         | 2         | 3         | ...        | 1         | 1      | 4         | 2         | 6         | 7         | ...       | 7      | 5         | 1         | 6      |
| South . . . . .                                         | ...          | ...       | ...    | ...       | 1         | 1         | ...        | 2         | 2      | 2         | ...       | 2         | 2         | ...       | 2      | 2         | ...       | 2      |
| South-West . . . . .                                    | 8            | 6         | 14     | 7         | 8         | 15        | 2          | ...       | 2      | 2         | 1         | 3         | 4         | ...       | 4      | 2         | 6         | 8      |
| West . . . . .                                          | 13           | 10        | 23     | 13        | 12        | 25        | 8          | 6         | 14     | 1         | 2         | 3         | 2         | 2         | 4      | 4         | 4         | 8      |
| North-West . . . . .                                    | 4            | 7         | 11     | 3         | 1         | 4         | 12         | 9         | 21     | 2         | 4         | 6         | 1         | 6         | 7      | 2         | 3         | 5      |
| Calm . . . . .                                          | ...          | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...    |
| Variable . . . . .                                      | ...          | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...    |
| Resultant {                                             | Percentage . | 56        |        | 50        |           | 59        |            | 45        |        | 36        |           | 24        |           |           |        |           |           |        |
|                                                         | Direction .  | S. 89° W. |        | S. 85° W. |           | N. 42° W. |            | N. 42° E. |        | N. 39° E. |           | N. 11° E. |           |           |        |           |           |        |
| Mean diurnal velocity of wind in miles . . . . .        |              | 179.4     |        | 164.4     |           | 136.3     |            | 100.0     |        | 105.9     |           | 98.3      |           |           |        |           |           |        |
| Average {                                               | Percentage . | 70        |        | 66        |           | 43        |            | 45        |        | 47        |           | 38        |           |           |        |           |           |        |
|                                                         | Direction .  | S. 72° W. |        | S. 78° W. |           | N. 77° W. |            | N. 28° W. |        | N. 20° E. |           | N. 37° E. |           |           |        |           |           |        |
| 15 Years.                                               |              |           |        |           |           |           |            |           |        |           |           |           |           |           |        |           |           |        |
| Average diurnal velocity of wind in miles] 15-16 Years. |              | 117.0     |        | 99.3      |           | 76.8      |            | 62.3      |        | 54.3      |           | 58.2      |           |           |        |           |           |        |



TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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62.—PACHMARHI (2 to 4 observations daily).

|                                                         | JANUARY.        |           |           |           |        | FEBRUARY.       |           |           |           |        | MARCH.          |           |           |           |        | APRIL.          |           |           |           |        | MAY.            |           |           |           |        | JUNE.           |           |           |           |        |
|---------------------------------------------------------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|
|                                                         | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. |
| North                                                   | 4               | 2         | 2         | 3         | 11     | 6               | 3         | 4         | 6         | 19     | 8               | 7         | 10        | 10        | 35     | 4               | 6         | 3         | 2         | 15     | ...             | 3         | 3         | 3         | 9      | 5               | 3         | 5         | 6         | 19     |
| North-East                                              | 7               | 5         | 8         | 8         | 28     | 2               | 4         | 3         | 3         | 12     | 7               | 2         | 2         | 4         | 15     | 4               | 5         | 4         | 7         | 20     | 4               | 1         | 1         | 2         | 8      | 1               | 1         | ...       | ...       | 2      |
| East                                                    | 7               | 5         | 6         | 6         | 24     | 2               | 6         | 2         | 2         | 12     | 4               | 4         | 5         | 3         | 16     | 2               | 2         | 2         | 1         | 7      | 3               | 3         | 1         | 2         | 9      | ...             | 1         | 2         | ...       | 3      |
| South-East                                              | 2               | 4         | 1         | 2         | 9      | 2               | 4         | 1         | 1         | 8      | 1               | 1         | 3         | 1         | 6      | 2               | 1         | ...       | 2         | 5      | 2               | 1         | 2         | 1         | 6      | ...             | ...       | ...       | 2         | 2      |
| South                                                   | 2               | 7         | 4         | 2         | 15     | 3               | 1         | 1         | 1         | 6      | 1               | 4         | 1         | 1         | 7      | 3               | 4         | 4         | 4         | 15     | 4               | 6         | 1         | 3         | 14     | 2               | 1         | 4         | 1         | 8      |
| South-West                                              | 3               | 5         | 5         | 2         | 15     | 1               | 2         | 1         | 2         | 6      | 2               | 4         | 2         | 2         | 10     | 4               | 2         | 4         | 5         | 15     | 6               | 4         | 4         | 4         | 18     | 8               | 8         | 4         | 5         | 25     |
| West                                                    | 4               | 2         | 2         | 3         | 11     | 4               | 2         | 6         | 5         | 17     | 2               | 2         | 1         | 1         | 6      | 7               | 6         | 5         | 5         | 23     | 8               | 9         | 11        | 11        | 39     | 4               | 4         | 4         | 3         | 15     |
| North-West                                              | 2               | 1         | 2         | 4         | 9      | 7               | 6         | 10        | 8         | 31     | 4               | 3         | 4         | 4         | 15     | 3               | 4         | 7         | 4         | 18     | 4               | 4         | 7         | 2         | 17     | 1               | 4         | 3         | 3         | 11     |
| Calm                                                    | ...             | ...       | ...       | 1         | 1      | 1               | ...       | ...       | ...       | 1      | ...             | ...       | ...       | 1         | 1      | 1               | ...       | ...       | ...       | 1      | ...             | ...       | ...       | 1         | 1      | ...             | ...       | ...       | 2         | 2      |
| Variable                                                | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Resultant { Percentage Direction                        | 19<br>N. 77° E. |           |           |           |        | 34<br>N. 27° W. |           |           |           |        | 35<br>N. 11° E. |           |           |           |        | 21<br>N. 60° W. |           |           |           |        | 37<br>S. 85° W. |           |           |           |        | 40<br>N. 88° W. |           |           |           |        |
| Mean diurnal velocity of wind in miles                  | 105.3           |           |           |           |        | 141.0           |           |           |           |        | 182.6           |           |           |           |        | 124.8           |           |           |           |        | 146.7           |           |           |           |        | 160.1           |           |           |           |        |
| Average Resultant { Percentage Direction 15 Years       | 13<br>N. 68° W. |           |           |           |        | 24<br>N. 49° W. |           |           |           |        | 36<br>N. 57° W. |           |           |           |        | 47<br>N. 58° W. |           |           |           |        | 62<br>N. 55° W. |           |           |           |        | 63<br>N. 71° W. |           |           |           |        |
| Average diurnal velocity of wind in miles. 14-15 Years. | 73.2            |           |           |           |        | 88.3            |           |           |           |        | 102.7           |           |           |           |        | 124.3           |           |           |           |        | 152.6           |           |           |           |        | 188.3           |           |           |           |        |

|                                                         | JULY.           |           |        | AUGUST.         |           |        | SEPTEMBER.      |           |        | OCTOBER.        |           |        | NOVEMBER.       |           |        | DECEMBER.       |           |           |           |        |
|---------------------------------------------------------|-----------------|-----------|--------|-----------------|-----------|--------|-----------------|-----------|--------|-----------------|-----------|--------|-----------------|-----------|--------|-----------------|-----------|-----------|-----------|--------|
|                                                         | 10 hours.       | 16 hours. | Total. | 10 hours.       | 16 hours. | Total. | 10 hours.       | 16 hours. | Total. | 10 hours.       | 16 hours. | Total. | 10 hours.       | 16 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. |
| North                                                   | 2               | 1         | 3      | 2               | 3         | 5      | 5               | 4         | 9      | 1               | 6         | 7      | 6               | 6         | 12     | 6               | 8         | 6         | 7         | 27     |
| North-East                                              | ...             | ...       | ...    | 1               | ...       | 1      | 3               | 3         | 6      | 4               | 3         | 7      | 5               | 11        | 16     | 4               | 5         | 6         | 5         | 20     |
| East                                                    | ...             | ...       | ...    | 2               | ...       | 2      | 2               | 1         | 3      | 12              | 9         | 21     | 7               | 6         | 13     | 3               | 2         | 2         | 2         | 9      |
| South-East                                              | 1               | 2         | 3      | 1               | 1         | 2      | 1               | 1         | 2      | 6               | 3         | 9      | 8               | ...       | 8      | 2               | 2         | 2         | 1         | 7      |
| South                                                   | 2               | 1         | 3      | 1               | 1         | 2      | 1               | ...       | 1      | 3               | 1         | 4      | ...             | ...       | ...    | 4               | 6         | 4         | 5         | 19     |
| South-West                                              | 3               | 1         | 4      | ...             | 1         | 1      | ...             | 1         | 1      | ...             | ...       | ...    | ...             | ...       | ...    | 3               | 2         | 4         | 4         | 13     |
| West                                                    | 17              | 20        | 37     | 14              | 16        | 30     | 5               | 9         | 14     | 2               | 3         | 5      | ...             | 1         | 1      | 3               | 1         | 2         | 2         | 8      |
| North-West                                              | 6               | 5         | 11     | 10              | 9         | 19     | 13              | 11        | 24     | 2               | 3         | 5      | 4               | 6         | 10     | 3               | 3         | 3         | 3         | 12     |
| Calm                                                    | ...             | 1         | 1      | ...             | ...       | ...    | ...             | ...       | ...    | 1               | 3         | 4      | ...             | ...       | ...    | 1               | ...       | ...       | 1         | 2      |
| Variable                                                | ...             | ...       | ...    | ...             | ...       | ...    | ...             | ...       | ...    | ...             | ...       | ...    | ...             | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Resultant { Percentage Direction                        | 74<br>N. 86° W. |           |        | 69<br>N. 69° W. |           |        | 59<br>N. 40° W. |           |        | 39<br>N. 78° E. |           |        | 55<br>N. 42° E. |           |        | 14<br>N. 8° E.  |           |           |           |        |
| Mean diurnal velocity of wind in miles                  | 278.1           |           |        | 155.6           |           |        | 121.7           |           |        | 77.5            |           |        | 54.8            |           |        | 95.5            |           |           |           |        |
| Average Resultant { Percentage Direction 15 Years       | 75<br>N. 80° W. |           |        | 72<br>N. 80° W. |           |        | 45<br>N. 58° W. |           |        | 37<br>N. 17° E. |           |        | 46<br>N. 52° E. |           |        | 22<br>N. 29° E. |           |           |           |        |
| Average diurnal velocity of wind in miles. 15-17 Years. | 229.1           |           |        | 178.7           |           |        | 135.7           |           |        | 71.5            |           |        | 60.5            |           |        | 64.5            |           |           |           |        |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 63.—HOSHANGABAD (2 observations daily).

|                                                         | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |    |  |  |  |
|---------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|----|--|--|--|
|                                                         | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |    |  |  |  |
| North . . .                                             | ...       | ...       | ...    | ...       | ...       | ...    | 2         | 4         | 6      | ...       | 2         | 2      | ...       | 2         | 2      | ...       | 3         | 3      | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | 1      | 1         | ...       | ...    | ...       | ...       | ...    | ...       |     |    |  |  |  |
| North-East . . .                                        | 12        | 6         | 18     | 13        | 6         | 19     | 6         | 4         | 10     | 4         | ...       | 4      | 4         | 1         | 5      | 1         | 3         | 4      | ...       | ...       | ...    | ...       | 1         | 1      | 2          | 2         | 4      | 6         | 5         | 11     | 6         | 3         | 9      | 8         | 3   | 11 |  |  |  |
| East . . .                                              | 10        | 9         | 19     | 6         | 4         | 10     | 10        | 2         | 12     | 6         | 3         | 9      | 1         | 1         | 2      | 1         | 1         | 2      | ...       | ...       | ...    | ...       | ...       | ...    | 1          | 1         | 2      | 9         | 1         | 10     | 9         | 3         | 12     | 10        | 1   | 11 |  |  |  |
| South-East . . .                                        | ...       | ...       | ...    | ...       | 1         | 1      | 1         | ...       | 1      | 1         | 1         | 2      | ...       | 1         | 1      | 2         | 2         | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | 1         | 2      | 3         | ...       | ...    | ...       | 1         | ...    | 1         |     |    |  |  |  |
| South . . .                                             | ...       | ...       | ...    | ...       | ...       | ...    | 1         | ...       | 1      | 1         | 2         | 3      | 4         | ...       | 4      | ...       | 3         | 3      | ...       | 1         | 1      | ...       | ...       | ...    | ...        | 1         | 1      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ... |    |  |  |  |
| South-West . . .                                        | 1         | 1         | 2      | 3         | 4         | 7      | 4         | 7         | 11     | 12        | 4         | 16     | 10        | 6         | 16     | 9         | 2         | 11     | 11        | 6         | 17     | 8         | 7         | 15     | 6          | 2         | 8      | 2         | ...       | 2      | ...       | ...       | ...    | ...       | ... |    |  |  |  |
| West . . .                                              | 3         | 4         | 7      | 2         | 3         | 5      | 5         | 9         | 14     | 5         | 9         | 14     | 10        | 15        | 25     | 16        | 7         | 23     | 15        | 12        | 27     | 15        | 15        | 30     | 12         | 7         | 19     | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ... |    |  |  |  |
| North-West . . .                                        | ...       | 1         | 1      | ...       | 2         | 2      | ...       | 3         | 3      | 1         | 9         | 10     | 2         | 5         | 7      | 1         | 4         | 5      | 1         | 2         | 3      | 1         | 2         | 3      | ...        | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       |     |    |  |  |  |
| Calm . . .                                              | 5         | 10        | 15     | 4         | 8         | 12     | 2         | 2         | 4      | ...       | ...       | ...    | ...       | ...       | ...    | 2         | 5         | 7      | 4         | 10        | 14     | 7         | 6         | 13     | 9          | 16        | 25     | 12        | 21        | 33     | 15        | 24        | 39     | 12        | 27  | 39 |  |  |  |
| Variable . . .                                          | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |  |  |  |
| Resultant {                                             | 41        |           |        | 28        |           |        | 11        |           |        | 33        |           |        | 57        |           |        | 47        |           |        | 69        |           |        | 69        |           |        | 35         |           |        | 29        |           |        | 32        |           |        | 33        |     |    |  |  |  |
|                                                         | N. 62° E. |           |        | N. 54° E. |           |        | N. 36° W. |           |        | S. 79° W. |           |        | S. 81° W. |           |        | S. 84° W. |           |        | S. 75° W. |           |        | S. 80° W. |           |        | S. 81° W.  |           |        | N. 76° E. |           |        | N. 71° E. |           |        | N. 70° E. |     |    |  |  |  |
| Mean diurnal velocity of wind in miles .                | 33'5      |           |        | 52'0      |           |        | 23'5      |           |        | 39'7      |           |        | 59'5      |           |        | 71'6      |           |        | 47'9      |           |        | 39'3      |           |        | 17'3       |           |        | 15'5      |           |        | 11'9      |           |        | 8'7       |     |    |  |  |  |
| Average Resultant. {                                    | 39        |           |        | 18        |           |        | 15        |           |        | 32        |           |        | 54        |           |        | 71        |           |        | 77        |           |        | 73        |           |        | 50         |           |        | 25        |           |        | 66        |           |        | 63        |     |    |  |  |  |
|                                                         | N. 59° E. |           |        | N. 58° E. |           |        | N. 55° W. |           |        | S. 89° W. |           |        | W.        |           |        | S. 88° W. |           |        | S. 76° W. |           |        | S. 79° W. |           |        | N. 86° W.  |           |        | N. 12° E. |           |        | N. 60° E. |           |        | N. 61° E. |     |    |  |  |  |
| Average diurnal velocity of wind in miles, 14-15 Years. | 61'9      |           |        | 69'3      |           |        | 61'9      |           |        | 70'3      |           |        | 90'5      |           |        | 109'8     |           |        | 106'4     |           |        | 82'3      |           |        | 61'1       |           |        | 37'8      |           |        | 44'8      |           |        | 59'4      |     |    |  |  |  |
| Average diurnal velocity of wind in miles, 16-17 Years. |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |  |  |  |

## 64.—KHANDWA (2 observations daily).

|                                                         | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |
|---------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|
|                                                         | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |
| North . . .                                             | 3         | 4         | 7      | 2         | 8         | 10     | 2         | 5         | 7      | 7         | 6         | 13     | 3         | 3         | 6      | 3         | 4         | 7      | ...       | 1         | 1      | 2         | ...       | 2      | 2          | 7         | 9      | 1         | 6         | 7      | 3         | 9         | 12     | 2         | 4   | 6   |
| North-East . . .                                        | 7         | 6         | 13     | 11        | 7         | 18     | 3         | 3         | 6      | 5         | ...       | 5      | 1         | 3         | 4      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | 1      | ...        | 1         | 7      | 5         | 12        | 10     | 11        | 21        | 18     | 16        | 34  |     |
| East . . .                                              | 5         | 1         | 6      | 4         | ...       | 4      | 3         | 1         | 4      | 1         | ...       | 1      | 2         | 4         | 6      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | 1          | 1         | 5      | 6         | 11        | 14     | 6         | 20        | 2      | 2         | 4   |     |
| South-East . . .                                        | 6         | 3         | 9      | 2         | ...       | 2      | 2         | 1         | 3      | ...       | ...       | ...    | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | 5      | 2         | 7         | ...    | 1         | 1         | 3      | 2         | 5   |     |
| South . . .                                             | 4         | 10        | 14     | ...       | ...       | ...    | 5         | 2         | 7      | 1         | ...       | 1      | 5         | 3         | 8      | ...       | 4         | 4      | 1         | 1         | 2      | ...       | ...       | ...    | ...        | ...       | 4      | 2         | 6         | 1      | 1         | 2         | 5      | 6         | 11  |     |
| South-West . . .                                        | ...       | 2         | 2      | 2         | 2         | 4      | 1         | 1         | 2      | 1         | ...       | 1      | ...       | ...       | ...    | 1         | 1         | 2      | 2         | 4         | 6      | 1         | 2         | 3      | ...        | ...       | 1      | 1         | 2         | ...    | ...       | ...       | 1      | 1         | 2   |     |
| West . . .                                              | 4         | 3         | 7      | 5         | 6         | 11     | 6         | 11        | 17     | 6         | 13        | 19     | 8         | 9         | 17     | 18        | 13        | 31     | 22        | 18        | 40     | 25        | 24        | 49     | 10         | 8         | 18     | 4         | 3         | 7      | ...       | ...       | ...    | ...       | ... |     |
| North-West . . .                                        | 1         | 2         | 3      | 1         | 4         | 5      | 9         | 7         | 16     | 9         | 11        | 20     | 11        | 9         | 20     | 7         | 7         | 14     | 5         | 7         | 12     | 3         | 5         | 8      | 17         | 14        | 31     | 3         | 3         | 6      | 1         | 2         | 3      | ...       | ... | ... |
| Calm . . .                                              | 1         | ...       | 1      | 1         | 1         | 2      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 1         | ...       | 1      | ...       | ...       | ...    | ...        | ...       | 1      | 3         | 4         | 1      | ...       | 1         | ...    | ...       | ... |     |
| Variable . . .                                          | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |     |
| Resultant {                                             | 19        |           |        | 39        |           |        | 37        |           |        | 69        |           |        | 42        |           |        | 71        |           |        | 85        |           |        | 92        |           |        | 83         |           |        | 22        |           |        | 71        |           |        | 54        |     |     |
|                                                         | S. 73° E. |           |        | N. 2° E.  |           |        | N. 58° W. |           |        | N. 45° W. |           |        | N. 57° W. |           |        | N. 73° W. |           |        | N. 86° W. |           |        | N. 84° W. |           |        | N. 50° W.  |           |        | N. 58° E. |           |        | N. 52° E. |           |        | N. 65° E. |     |     |
| Mean diurnal velocity of wind in miles . . .            | 71'3      |           |        | 98'2      |           |        | 125'0     |           |        | 133'4     |           |        | 191'9     |           |        | 193'5     |           |        | 192'1     |           |        | 188'0     |           |        | 137'9      |           |        | 75'9      |           |        | 61'2      |           |        | 56'6      |     |     |
| Average Resultant {                                     | 23        |           |        | 32        |           |        | 48        |           |        | 62        |           |        | 69        |           |        | 71        |           |        | 80        |           |        | 80        |           |        | 66         |           |        | 28        |           |        | 55        |           |        | 41        |     |     |
|                                                         | N. 25° E. |           |        | N. 8° W.  |           |        | N. 46° W. |           |        | N. 49° W. |           |        | N. 61° W. |           |        | N. 77° W. |           |        | N. 83° W. |           |        | N. 80° W. |           |        | N. 69° W.  |           |        | N. 24° E. |           |        | N. 63° E. |           |        | N. 66° E. |     |     |
| Average diurnal velocity of wind in miles. 14-15 Years. | 65'6      |           |        | 87'2      |           |        | 109'6     |           |        | 135'9     |           |        | 215'8     |           |        | 228'2     |           |        | 205'0     |           |        | 177'8     |           |        | 143'0      |           |        | 69'5      |           |        | 60'3      |           |        | 56'1      |     |     |
| Average diurnal velocity of wind in miles. 11-12 Years. | 65'6      |           |        | 87'2      |           |        | 109'6     |           |        | 135'9     |           |        | 215'8     |           |        | 228'2     |           |        | 205'0     |           |        | 177'8     |           |        | 143'0      |           |        | 69'5      |           |        | 60'3      |           |        | 56'1      |     |     |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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## 65.—CHANDA (2 observations daily).

|                                                         | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |
|---------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|
|                                                         | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |
| North . . .                                             | 3         | ...       | 3      | ...       | 5         | 5      | ...       | 3         | 3      | 2         | 2         | 4      | ...       | 1         | 1      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | 2      | ...        | 2         | 1      | 1         | 2         | 3      | 9         | 12        | 3      | 4         | 7   |     |
| North-East . . .                                        | 2         | 4         | 6      | 3         | 5         | 8      | 1         | ...       | 1      | 2         | ...       | 2      | ...       | 2         | 2      | ...       | 4         | 4      | ...       | ...       | ...    | ...       | 1         | 1      | 1          | 1         | 2      | 4         | 1         | 5      | 6         | 5         | 11     | 5         | 6   | 11  |
| East . . .                                              | 2         | ...       | 2      | ...       | ...       | ...    | 4         | 3         | 7      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | 3         | 2      | 5         | 5         | 2      | 7         | 6         | 4      | 10        |     |     |
| South-East . . .                                        | 6         | 3         | 9      | 6         | 2         | 8      | 6         | 5         | 11     | 4         | 2         | 6      | 7         | 12        | 19     | ...       | 3         | 3      | ...       | 1         | 1      | ...       | ...       | ...    | ...        | 1         | 1      | 11        | 3         | 14     | 2         | 1         | 3      | 3         | 1   | 4   |
| South . . .                                             | 9         | ...       | 9      | 6         | ...       | 6      | 7         | 4         | 11     | 6         | ...       | 6      | 4         | 2         | 6      | ...       | ...       | ...    | ...       | 1         | 1      | ...       | ...       | ...    | 2          | ...       | 2      | 3         | 6         | 9      | ...       | ...       | ...    | 2         | ... | 2   |
| South-West . . .                                        | 1         | 1         | 2      | 2         | 1         | 3      | 3         | 2         | 5      | 4         | 1         | 5      | 4         | 2         | 6      | 4         | 7         | 11     | 11        | 10        | 21     | 4         | 7         | 11     | 1          | 3         | 4      | 1         | ...       | 1      | ...       | ...       | ...    | 1         | ... | 1   |
| West . . .                                              | ...       | ...       | ...    | 1         | 1         | 2      | ...       | 5         | 5      | 3         | 6         | 9      | 3         | 6         | 9      | 15        | 10        | 25     | 16        | 13        | 29     | 19        | 16        | 35     | 9          | 8         | 17     | 1         | ...       | 1      | 2         | ...       | 2      | ...       | ... | ... |
| North-West . . .                                        | ...       | ...       | ...    | 2         | 7         | 9      | 5         | 6         | 11     | 5         | 14        | 19     | 10        | 5         | 15     | 8         | 2         | 10     | 2         | 4         | 6      | 5         | 3         | 8      | 10         | 3         | 13     | 4         | 2         | 6      | ...       | ...       | ...    | 1         | 2   | 3   |
| Calm . . .                                              | 8         | 23        | 31     | 8         | 7         | 15     | 5         | 3         | 8      | 3         | 5         | 8      | 3         | 1         | 4      | 2         | 4         | 6      | 2         | 2         | 4      | 3         | 4         | 7      | 5          | 14        | 19     | 3         | 16        | 19     | 12        | 13        | 25     | 10        | 14  | 24  |
| Variable . . .                                          | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |
| Resultant {                                             | 24        |           |        | 6         |           |        | 18        |           |        | 33        |           |        | 22        |           |        | 58        |           |        | 79        |           |        | 77        |           |        | 46         |           |        | 26        |           |        | 39        |           |        | 34        |     |     |
|                                                         | S. 50°E.  |           |        | N. 14°E.  |           |        | S. 4°W.   |           |        | N. 75°W.  |           |        | S. 40°W.  |           |        | N. 88°W.  |           |        | S. 75°W.  |           |        | S. 88°W.  |           |        | N. 75°W.   |           |        | S. 52°E.  |           |        | N. 40°E.  |           |        | N. 57°E.  |     |     |
| Mean diurnal velocity of wind in miles .                | 39'1      |           |        | 45'8      |           |        | 77'2      |           |        | 87'4      |           |        | 124'5     |           |        | 148'3     |           |        | 149'6     |           |        | 131'9     |           |        | 102'1      |           |        | 83'3      |           |        | 47'8      |           |        | 41'7      |     |     |
| Average Resultant {                                     | 23        |           |        | 15        |           |        | 9         |           |        | 21        |           |        | 31        |           |        | 54        |           |        | 70        |           |        | 62        |           |        | 42         |           |        | 32        |           |        | 48        |           |        | 37        |     |     |
|                                                         | S. 88°E.  |           |        | S. 68°E.  |           |        | S. 52°W.  |           |        | S. 73°W.  |           |        | N. 76°W.  |           |        | W.        |           |        | S. 88°W.  |           |        | N. 80°W.  |           |        | N. 70°W.   |           |        | N. 48°E.  |           |        | N. 62°E.  |           |        | N. 63°E.  |     |     |
| Average diurnal velocity of wind in miles. 15-17 Years. | 48'0      |           |        | 65'6      |           |        | 76'4      |           |        | 90'9      |           |        | 115'3     |           |        | 148'9     |           |        | 145'6     |           |        | 127'2     |           |        | 99'3       |           |        | 56'0      |           |        | 43'3      |           |        | 38'4      |     |     |

## 66.—SIRONCHA (2 observations daily).

|                                                         | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER.     |           |        |
|---------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|---------------|-----------|--------|
|                                                         | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.     | 16 hours. | Total. |
| North . . .                                             | 5         | 4         | 9      | 3         | 5         | 8      | 1         | 3         | 4      | ...       | 2         | 2      | 1         | 1         | 2      | 1         | 1         | 2      | ...       | 3         | 3      | 3         | 4         | 7      | 1          | 5         | 6      | 6         | 2         | 8      | 7         | 8         | 15     | Not recorded. |           |        |
| North-East . . .                                        | 2         | 4         | 6      | ...       | 3         | 3      | ...       | 2         | 2      | ...       | ...       | ...    | 3         | 1         | 4      | ...       | 1         | 1      | ...       | 1         | 1      | 1         | 1         | 2      | ...        | 2         | 2      | ...       | 1         | 1      | 1         | 5         | 6      |               |           |        |
| East . . .                                              | ...       | 4         | 4      | 3         | 4         | 7      | 2         | 1         | 3      | 1         | 1         | 2      | ...       | 4         | 4      | ...       | 1         | 1      | ...       | 1         | 1      | ...       | ...       | ...    | 1          | 1         | 2      | 2         | 2         | 4      | 1         | 1         | 2      |               |           |        |
| South-East . . .                                        | 8         | 3         | 11     | 12        | 3         | 15     | 10        | 3         | 13     | 6         | 3         | 9      | 6         | 2         | 8      | 3         | 3         | 6      | 2         | 1         | 3      | 1         | 1         | 2      | 3          | 1         | 4      | 6         | 5         | 11     | 1         | ...       | 1      |               |           |        |
| South . . .                                             | 9         | 2         | 11     | 5         | ...       | 5      | 11        | 5         | 16     | 12        | 6         | 18     | 10        | 5         | 15     | 4         | 3         | 7      | 2         | 3         | 5      | 4         | 1         | 5      | 3          | 1         | 4      | 9         | 5         | 14     | 2         | 1         | 3      |               |           |        |
| South-West . . .                                        | 1         | 1         | 2      | 1         | 1         | 2      | 3         | 6         | 9      | 3         | 9         | 12     | 4         | 5         | 9      | 7         | 6         | 13     | 11        | 9         | 20     | 5         | 6         | 11     | 2          | 1         | 3      | 3         | 2         | 5      | ...       | ...       | ...    |               |           |        |
| West . . .                                              | ...       | 1         | 1      | ...       | ...       | ...    | 2         | 5         | 7      | 2         | 4         | 6      | 5         | 5         | 10     | 8         | 9         | 17     | 10        | 5         | 15     | 11        | 10        | 21     | 3          | 6         | 9      | 1         | 3         | 4      | 1         | ...       | 1      |               |           |        |
| North-West . . .                                        | 3         | 6         | 9      | 1         | 9         | 10     | ...       | 5         | 5      | 1         | 5         | 6      | 2         | 3         | 5      | 2         | 4         | 6      | 3         | 7         | 10     | 4         | 3         | 7      | 14         | 11        | 25     | 2         | 7         | 9      | 3         | 3         | 6      |               |           |        |
| Calm . . .                                              | 3         | 6         | 9      | 3         | 3         | 6      | 2         | 1         | 3      | 5         | ...       | 5      | ...       | 5         | 5      | 5         | 2         | 7      | 3         | 1         | 4      | 2         | 5         | 7      | 3          | 2         | 5      | 2         | 4         | 6      | 4         | 2         | 6      |               |           |        |
| Variable . . .                                          | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |               |           |        |
| Resultant {                                             | 12        |           |        | 20        |           |        | 37        |           |        | 48        |           |        | 32        |           |        | 47        |           |        | 55        |           |        | 50        |           |        | 46         |           |        | 17        |           |        | 50        |           |        | ?             |           |        |
|                                                         | S. 85°E.  |           |        | N. 89°E.  |           |        | S. 8°W.   |           |        | S. 21°W.  |           |        | S. 22°W.  |           |        | S. 61°W.  |           |        | S. 72°W.  |           |        | S. 88°W.  |           |        | N. 54°W.   |           |        | S. 8°W.   |           |        | N. 5°E.   |           |        |               |           |        |
| Mean diurnal velocity of wind in miles . . .            | 36'0      |           |        | 54'8      |           |        | 70'1      |           |        | 82'7      |           |        | 99'3      |           |        | ?         |           |        | 89'7      |           |        | 79'4      |           |        | 60'8       |           |        | 55'5      |           |        | 65'5      |           |        | Not recorded. |           |        |
| Average Resultant {                                     | 14        |           |        | 24        |           |        | 36        |           |        | 38        |           |        | 19        |           |        | 50        |           |        | 83        |           |        | 63        |           |        | 41         |           |        | 32        |           |        | 58        |           |        | 47            |           |        |
|                                                         | S. 75°E.  |           |        | S. 15°E.  |           |        | S. 2°W.   |           |        | S. 14°W.  |           |        | S. 30°W.  |           |        | S. 72°W.  |           |        | S. 79°W.  |           |        | S. 85°W.  |           |        | N. 85°W.   |           |        | N. 9°E.   |           |        | N. 7°E.   |           |        | N. 1°W.       |           |        |
| Average diurnal velocity of wind in miles. 10-11 Years. | 45'0      |           |        | 66'2      |           |        | 79'1      |           |        | 101'1     |           |        | 113'0     |           |        | 108'6     |           |        | 101'2     |           |        | 83'6      |           |        | 70'8       |           |        | 63'9      |           |        | 64'1      |           |        | 50'2          |           |        |



TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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## 69.—AKOLA (2 observations daily).

|                                                         | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |      |    |  |
|---------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|------|----|--|
|                                                         | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |      |    |  |
| North . . . . .                                         | ...       | 1         | 1      | ...       | ...       | ...    | 3         | ...       | 3      | 5         | 4         | 9      | 4         | 1         | 5      | 3         | 1         | 4      | 1         | 2         | 3      | 1         | 1         | 2      | 4          | 5         | 9      | 7         | 5         | 12     | 3         | 5         | 8      | 3         | 5    | 8  |  |
| North-East . . . .                                      | 10        | 7         | 17     | 4         | 5         | 9      | 3         | 2         | 5      | 4         | 2         | 6      | 3         | 2         | 5      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 3          | 2         | 5      | 8         | 6         | 14     | 10        | 10        | 20     | 8         | 10   | 18 |  |
| East . . . . .                                          | 8         | 6         | 14     | 4         | 3         | 7      | 2         | 2         | 4      | ...       | 1         | 1      | 1         | 2         | 3      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 1          | 1         | 4      | 3         | 7         | 11     | 5         | 16        | 8      | 5         | 13   |    |  |
| South-East . . . .                                      | 1         | 2         | 3      | 4         | ...       | 4      | 3         | 1         | 4      | 1         | 1         | 2      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | 1      | 1         | 2         | ...    | 2         | 2         | ...    | ...       | ...  |    |  |
| South . . . . .                                         | 1         | 1         | 2      | 2         | 1         | 3      | 1         | ...       | 1      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | 1      | ...       | 1         | ...    | ...       | ...  |    |  |
| South-West . . . .                                      | 1         | 3         | 4      | 3         | 2         | 5      | 2         | 3         | 5      | ...       | ...       | ...    | 1         | ...       | 1      | 1         | 3         | 4      | 1         | 1         | 2      | ...       | ...       | ...    | ...        | ...       | ...    | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...  |    |  |
| West . . . . .                                          | 1         | 2         | 3      | 3         | 4         | 7      | 6         | 6         | 12     | 3         | 7         | 10     | 4         | 4         | 8      | 13        | 15        | 28     | 15        | 18        | 33     | 17        | 17        | 34     | 8          | 10        | 18     | 2         | 2         | 4      | ...       | ...       | ...    | 3         | 2    | 5  |  |
| North-West . . . .                                      | 3         | 2         | 5      | 5         | 10        | 15     | 10        | 15        | 25     | 16        | 13        | 29     | 15        | 18        | 33     | 11        | 11        | 22     | 14        | 10        | 24     | 13        | 13        | 26     | 15         | 12        | 27     | 7         | 3         | 10     | 4         | 4         | 8      | 7         | 7    | 14 |  |
| Calm . . . . .                                          | 6         | 7         | 13     | 3         | 3         | 6      | 1         | 2         | 3      | ...       | 2         | 2      | 3         | 3         | 6      | 2         | ...       | 2      | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | 2         | 10        | 12     | 1         | 4         | 5      | 2         | 2    | 4  |  |
| Variable . . . . .                                      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...  |    |  |
| Resultant {                                             | 34        |           |        | 16        |           |        | 46        |           |        | 66        |           |        | 63        |           |        | 82        |           |        | 88        |           |        | 91        |           |        | 76         |           |        | 45        |           |        | 60        |           |        | 54        |      |    |  |
|                                                         | N. 63° E. |           |        | N. 33° W. |           |        | N. 54° W. |           |        | N. 37° W. |           |        | N. 39° W. |           |        | N. 70° W. |           |        | N. 70° W. |           |        | N. 69° W. |           |        | N. 46° W.  |           |        | N. 14° E. |           |        | N. 46° E. |           |        | N. 19° E. |      |    |  |
| Mean diurnal velocity of wind in miles .                |           | 73'3      |        |           | 85'1      |        |           | 121'6     |        |           | 122'6     |        |           | 183'6     |        |           | 185'6     |        |           | 186'5     |        |           | 228'3     |        |            | 155'6     |        |           | 92'4      |        |           | 81'2      |        |           | 70'5 |    |  |
| Average Resultant {                                     | 35        |           |        | 28        |           |        | 43        |           |        | 55        |           |        | 72        |           |        | 73        |           |        | 76        |           |        | 80        |           |        | 65         |           |        | 32        |           |        | 51        |           |        | 55        |      |    |  |
|                                                         | N. 59° E. |           |        | N. 11° E. |           |        | N. 38° W. |           |        | N. 51° W. |           |        | N. 52° W. |           |        | N. 74° W. |           |        | N. 80° W. |           |        | N. 78° W. |           |        | N. 75° W.  |           |        | N. 15° E. |           |        | N. 64° E. |           |        | N. 66° E. |      |    |  |
| Average diurnal velocity of wind in miles. 13-14 Years. |           | 79'9      |        |           | 91'4      |        |           | 103'8     |        |           | 131'3     |        |           | 200'9     |        |           | 212'7     |        |           | 199'4     |        |           | 191'8     |        |            | 139'3     |        |           | 77'9      |        |           | 81'7      |        |           | 74'8 |    |  |

## 70.—AMRAOTI (2 observations daily).

|                                                         | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |           |        |
|---------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|
|                                                         | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |
| North . . . . .                                         | 1         | 1         | 2      | 1         | ...       | 1      | 2         | 1         | 3      | 3         | 3         | 6      | 4         | 2         | 6      | 1         | 4         | 5      | 1         | ...       | 1      | ...       | ...       | ...    | 4          | 6         | 10     | 1         | 4         | 5      | 1         | 4         | 5      | 5         | 5         | 10     |
| North-East . . . .                                      | 8         | 3         | 11     | 4         | 3         | 7      | 4         | 3         | 7      | 4         | 2         | 6      | 3         | 5         | 8      | 2         | 2         | 4      | ...       | 2         | 2      | ...       | 1         | 1      | 4          | 5         | 9      | 11        | 7         | 18     | 12        | 15        | 27     | 7         | 4         | 11     |
| East . . . . .                                          | 7         | 3         | 10     | 6         | 2         | 8      | 7         | ...       | 7      | 1         | 2         | 3      | 2         | 2         | 4      | ...       | ...       | ...    | ...       | 1         | 1      | ...       | 3         | 3      | 1          | ...       | 1      | 7         | 6         | 13     | 10        | 4         | 14     | 8         | 9         | 17     |
| South-West . . . .                                      | 8         | 8         | 16     | 11        | 1         | 12     | 2         | 4         | 6      | 1         | 1         | 2      | 2         | 3         | 5      | ...       | ...       | ...    | 1         | ...       | 1      | 1         | ...       | 1      | 1          | ...       | 1      | ...       | 2         | 2      | 2         | ...       | 2      | 3         | 3         | 6      |
| South . . . . .                                         | 2         | 2         | 4      | ...       | 1         | 1      | 5         | 2         | 7      | 2         | 1         | 3      | 3         | 2         | 5      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | 2         | 2         | 4      | 1         | ...       | 1      | 5         | ...       | 5      |
| South-West . . . .                                      | 2         | 5         | 7      | 4         | 5         | 9      | 5         | 6         | 11     | 4         | 2         | 6      | 2         | 2         | 4      | 3         | 6         | 9      | 6         | 8         | 14     | 7         | 7         | 14     | 3          | 3         | 6      | 4         | 6         | 10     | ...       | ...       | ...    | 2         | 1         | 3      |
| West . . . . .                                          | 1         | 4         | 5      | 2         | 2         | 4      | 4         | 9         | 13     | 6         | 8         | 14     | 7         | 7         | 14     | 18        | 7         | 25     | 20        | 16        | 36     | 18        | 15        | 33     | 8          | 8         | 16     | 3         | 1         | 4      | ...       | 1         | 1      | 1         | 3         | 4      |
| North-West . . . .                                      | ...       | 3         | 3      | ...       | 12        | 12     | 2         | 6         | 8      | 8         | 11        | 19     | 7         | 8         | 15     | 6         | 10        | 16     | 3         | 4         | 7      | 5         | 3         | 8      | 9          | 8         | 17     | 1         | 2         | 3      | ...       | ...       | ...    | ...       | 4         | 4      |
| Calm . . . . .                                          | 2         | 2         | 4      | ...       | 2         | 2      | ...       | ...       | ...    | 1         | ...       | 1      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | 2         | 2      | ...        | ...       | ...    | 2         | 1         | 3      | 4         | 6         | 10     | ...       | 2         | 2      |
| Variable . . . . .                                      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |
| Resultant { Percentage                                  | 31        |           |        | 5         |           |        | 19        |           |        | 46        |           |        | 29        |           |        | 69        |           |        | 77        |           |        | 74        |           |        | 56         |           |        | 25        |           |        | 67        |           |        | 36        |           |        |
| Direction                                               | S. 64° E. |           |        | S. 61° E. |           |        | S. 62° W. |           |        | N. 57° W. |           |        | N. 53° W. |           |        | N. 74° W. |           |        | S. 86° W. |           |        | S. 85° W. |           |        | N. 46° W.  |           |        | N. 62° E. |           |        | N. 57° E. |           |        | N. 65° E. |           |        |
| Mean diurnal velocity of wind in miles                  | 66'6      |           |        | 85'6      |           |        | 115'0     |           |        | 100'8     |           |        | 138'5     |           |        | 142'5     |           |        | 158'8     |           |        | 125'5     |           |        | 92'5       |           |        | 88'6      |           |        | 58'6      |           |        | 61'4      |           |        |
| Average Resultant { Percentage                          | 16        |           |        | 5         |           |        | 33        |           |        | 34        |           |        | 52        |           |        | 67        |           |        | 74        |           |        | 71        |           |        | 46         |           |        | 42        |           |        | 58        |           |        | 48        |           |        |
| Direction . 10 Years.                                   | N. 70° E. |           |        | N. 6° E.  |           |        | N. 85° W. |           |        | N. 52° W. |           |        | N. 51° W. |           |        | N. 62° W. |           |        | N. 72° W. |           |        | N. 68° W. |           |        | N. 60° W.  |           |        | N. 49° E. |           |        | N. 78° E. |           |        | N. 85° E. |           |        |
| Average diurnal velocity of wind in miles. 12-13 Years. | 75'6      |           |        | 89'0      |           |        | 97'0      |           |        | 105'7     |           |        | 140'4     |           |        | 176'1     |           |        | 178'6     |           |        | 145'8     |           |        | 103'4      |           |        | 64'7      |           |        | 66'8      |           |        | 70'4      |           |        |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 71.—MAKHLA (2 observations daily).

|                                                   | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |    |           |  |
|---------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|----|-----------|--|
|                                                   | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |    |           |  |
| North . . . . .                                   | ...         | ...       | ...    | ...       | ...       | ...    | 5         | 2         | 7      | 10        | 13        | 23     | 2         | 9         | 11     | 4         | 3         | 7      | 1         | ...       | 1      | ...       | ...       | ...    | 6          | 2         | 8      | 8         | 11        | 19     | 2         | 6         | 8      | 4         | 2   | 6  |           |  |
| North-East . . . . .                              | ...         | 1         | 1      | ...       | ...       | ...    | 3         | 2         | 5      | 2         | ...       | 2      | ...       | ...       | ...    | ...       | 2         | 2      | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | 2      | 4         | 6         | 6      | 4         | 10        | ...    | 2         | 2   |    |           |  |
| East . . . . .                                    | ...         | ...       | ...    | ...       | ...       | ...    | 1         | ...       | 1      | ...       | 1         | 1      | 2         | 2         | 4      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | 4      | 1         | 5         | 3      | ...       | 3         | ...    | ...       | ... |    |           |  |
| South-East . . . . .                              | 4           | 1         | 5      | ...       | ...       | ...    | 2         | ...       | 2      | 1         | ...       | 1      | 5         | 1         | 6      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | 1         | 1      | 7         | 3         | 10     | 11        | 2         | 13     | 17        | 8   | 25 |           |  |
| South . . . . .                                   | 10          | 6         | 16     | 12        | 3         | 15     | 6         | 2         | 8      | ...       | ...       | ...    | 1         | 3         | 4      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 1          | ...       | 1      | 5         | 2         | 7      | 3         | ...       | 3      | 2         | 1   | 3  |           |  |
| South-West . . . . .                              | 14          | 10        | 24     | 14        | 15        | 29     | 4         | 9         | 13     | 3         | 3         | 6      | 2         | 1         | 3      | 3         | ...       | 3      | ...       | 2         | 2      | ...       | ...       | ...    | ...        | ...       | ...    | 2         | 2         | ...    | ...       | ...       | ...    | ...       | ... |    |           |  |
| West . . . . .                                    | 2           | 7         | 9      | 2         | 10        | 12     | 5         | 12        | 17     | 6         | 6         | 12     | 7         | 4         | 11     | 9         | 14        | 23     | 17        | 20        | 37     | 21        | 22        | 43     | 8          | 6         | 14     | ...       | 3         | 3      | ...       | ...       | ...    | ...       | 1   | 1  |           |  |
| North-West . . . . .                              | ...         | ...       | ...    | ...       | ...       | ...    | 5         | 3         | 8      | 8         | 6         | 14     | 12        | 11        | 23     | 14        | 10        | 24     | 13        | 9         | 22     | 10        | 8         | 18     | 15         | 21        | 36     | 5         | 4         | 9      | 5         | 15        | 20     | 8         | 16  | 24 |           |  |
| Calm . . . . .                                    | 1           | 6         | 7      | ...       | ...       | ...    | ...       | 1         | 1      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | 1         | 1      | ...       | ...       | ...    | ...       | 1         | 1      | ...        | ...       | ...    | ...       | 1         | 1      | ...       | 3         | 3      | ...       | 1   | 1  |           |  |
| Variable . . . . .                                | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |           |  |
| Resultant {                                       | Percentage  |           |        | 86        |           |        | 42        |           |        | 62        |           |        | 44        |           |        | 78        |           |        | 90        |           |        | 92        |           |        | 83         |           |        | 24        |           |        | 30        |           |        | 6         |     |    |           |  |
|                                                   | Direction . |           |        | S. 31° W. |           |        | S. 42° W. |           |        | S. 85° W. |           |        | N. 38° W. |           |        | N. 51° W. |           |        | N. 60° W. |           |        | N. 74° W. |           |        | N. 77° W.  |           |        | N. 51° W. |           |        | N. 21° E. |           |        | N. 17° E. |     |    | N. 17° E. |  |
| Mean diurnal velocity of wind in miles            |             |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |           |  |
| Average Resultant {                               | Percentage  |           |        | 43        |           |        | 41        |           |        | 43        |           |        | 49        |           |        | 51        |           |        | 62        |           |        | 58        |           |        | 59         |           |        | 41        |           |        | 35        |           |        | 40        |     |    |           |  |
|                                                   | Direction . |           |        | N. 87° W. |           |        | W.        |           |        | N. 75° W. |           |        | N. 77° W. |           |        | N. 79° W. |           |        | N. 85° W. |           |        | S. 72° W. |           |        | S. 71° W.  |           |        | S. 74° W. |           |        | N. 73° W. |           |        | S. 84° W. |     |    | S. 86° W. |  |
| 6 Years.                                          |             |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |           |  |
| Average diurnal velocity of wind in miles. Years. |             |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |           |  |

## 72.—NEEMUCH (2 observations daily).

|                                                        | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |           |  |  |
|--------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|-----------|--|--|
|                                                        | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |           |  |  |
| North . . . . .                                        | ...         | 2         | 2      | 3         | ...       | 3      | 1         | ...       | 1      | 1         | 1         | 2      | ...       | ...       | ...    | 1         | ...       | 1      | 1         | ...       | 1      | ...       | 1         | 1      | 1          | 1         | 2      | ...       | 3         | 3      | 1         | 1         | 2      | 3         | 1   | 4   |           |  |  |
| North-East . . . . .                                   | 2           | ...       | 2      | 3         | 4         | 7      | 1         | ...       | 1      | ...       | ...       | ...    | 1         | 1         | 2      | ...       | 1         | 1      | ...       | 1         | 1      | 1         | 2         | 3      | 2          | 1         | 3      | 2         | 3         | 5      | 5         | 6         | 11     | 6         | 7   |     |           |  |  |
| East . . . . .                                         | 5           | ...       | 5      | 5         | 3         | 8      | 2         | ...       | 2      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 1         | 1         | ...    | ...        | ...       | 6      | 1         | 7         | 7      | 1         | 8         | 6      | 10        |     |     |           |  |  |
| South-East . . . . .                                   | 6           | ...       | 6      | 3         | 2         | 5      | 2         | 2         | 4      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | 8      | 5         | 13        | 9      | 4         | 13        | 6      | 6         |     |     |           |  |  |
| South . . . . .                                        | 10          | 7         | 17     | 1         | 2         | 3      | 9         | 4         | 13     | 1         | 1         | 2      | 1         | 1         | 2      | 2         | ...       | 2      | 2         | 1         | 3      | 1         | ...       | 1      | 1          | 1         | 2      | 3         | 3         | 6      | 6         | 4         | 10     | 5         | 8   |     |           |  |  |
| South-West . . . . .                                   | 6           | 13        | 19     | 3         | 3         | 6      | 9         | 14        | 23     | 7         | 14        | 21     | 21        | 21        | 42     | 14        | 17        | 31     | 21        | 19        | 40     | 16        | 15        | 31     | 16         | 22        | 38     | 6         | 3         | 9      | 1         | 3         | 4      | 1         | 7   |     |           |  |  |
| West . . . . .                                         | 1           | 4         | 5      | 3         | 5         | 8      | 4         | 7         | 11     | 8         | 9         | 17     | 5         | 6         | 11     | 7         | 4         | 11     | 4         | 4         | 8      | 7         | 6         | 13     | 5          | 4         | 9      | ...       | 2         | 2      | 1         | 4         | 5      | ...       | 4   | 4   |           |  |  |
| North-West . . . . .                                   | 1           | 5         | 6      | 3         | 5         | 8      | 3         | 4         | 7      | 12        | 5         | 17     | 3         | 2         | 5      | 6         | 8         | 14     | 3         | 6         | 9      | 6         | 6         | 12     | 5          | 1         | 6      | 1         | 6         | 7      | ...       | 7         | 7      | ...       | 6   | 6   |           |  |  |
| Calm . . . . .                                         | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |           |  |  |
| Variable . . . . .                                     | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |           |  |  |
| Resultant {                                            | Percentage  |           |        | 7         |           |        | 57        |           |        | 72        |           |        | 81        |           |        | 73        |           |        | 77        |           |        | 67        |           |        | 72         |           |        | 23        |           |        | 24        |           |        | 14        |     |     |           |  |  |
|                                                        | Direction . |           |        | N. 27° W. |           |        | S. 46° W. |           |        | S. 86° W. |           |        | S. 58° W. |           |        | S. 74° W. |           |        | S. 61° W. |           |        | S. 74° W. |           |        | S. 62° W.  |           |        | S. 33° E. |           |        | S. 59° E. |           |        | S. 56° E. |     |     |           |  |  |
| Mean diurnal velocity of wind in miles                 |             |           |        | 294.6     |           |        | 287.6     |           |        | 261.6     |           |        | 278.8     |           |        | 298.3     |           |        | 315.0     |           |        | 307.6     |           |        | 252.4      |           |        | 276.2     |           |        | 205.6     |           |        | ?         |     |     | 186.5     |  |  |
| Average Resultant {                                    | Percentage  |           |        | 26        |           |        | 48        |           |        | 61        |           |        | 77        |           |        | 77        |           |        | 78        |           |        | 79        |           |        | 56         |           |        | 27        |           |        | 20        |           |        | 22        |     |     |           |  |  |
|                                                        | Direction . |           |        | S. 11° W. |           |        | S. 44° W. |           |        | S. 65° W. |           |        | S. 77° W. |           |        | S. 67° W. |           |        | S. 62° W. |           |        | S. 61° W. |           |        | S. 61° W.  |           |        | S. 81° W. |           |        | N. 74° W. |           |        | S. 53° E. |     |     | S. 21° E. |  |  |
| Average diurnal velocity of wind in miles. 9-10 Years. |             |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |     |           |  |  |
| Average diurnal velocity of wind in miles. 7-8 Years.  |             |           |        | 195.6     |           |        | 219.0     |           |        | 218.5     |           |        | 246.6     |           |        | 296.8     |           |        | 340.3     |           |        | 293.4     |           |        | 281.2      |           |        | 242.8     |           |        | 185.6     |           |        | 185.2     |     |     | 201.2     |  |  |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 73.—NOWGONG (2 observations daily).

|                                                            | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |
|------------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|
|                                                            | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |
| North . . .                                                | ...       | ...       | ...    | 2         | 3         | 5      | 3         | 5         | 8      | 4         | 4         | 8      | 5         | 9         | 14     | 5         | 7         | 12     | 2         | 5         | 7      | 2         | 6         | 8      | 2          | 5         | 7      | 6         | 11        | 17     | 4         | 10        | 14     | 2         | 9   | 11  |
| Nort-East . . .                                            | 1         | 1         | 2      | 4         | 1         | 5      | ...       | ...       | ...    | ...       | 1         | 1      | 2         | 1         | 3      | 2         | 2         | 4      | 3         | 2         | 5      | 1         | 2         | 3      | 1          | ...       | 1      | 1         | ...       | 1      | 2         | 1         | 3      | 4         | 1   | 5   |
| East . . .                                                 | 7         | 9         | 16     | 1         | 1         | 2      | 2         | ...       | 2      | 2         | ...       | 2      | 3         | 3         | 6      | 1         | 2         | 3      | 2         | 1         | 3      | 2         | 3         | 5      | 1          | 1         | 2      | 8         | 2         | 10     | 6         | 6         | 12     | ..        | 1   | 1   |
| South-East . . .                                           | 4         | 4         | 8      | ...       | ...       | ...    | 1         | 1         | 2      | 2         | ...       | 2      | 4         | 3         | 7      | 1         | ...       | 1      | 1         | 1         | 2      | 1         | ...       | 1      | ...        | ...       | ...    | 1         | 4         | 5      | 2         | 2         | 4      | ...       | 1   | 1   |
| South . . .                                                | 1         | 1         | 2      | 6         | 1         | 7      | 8         | 5         | 13     | 5         | 2         | 7      | 3         | 1         | 4      | 2         | 2         | 4      | 3         | 2         | 5      | 4         | 1         | 5      | 2          | 2         | 4      | 4         | 2         | 6      | 6         | 1         | 7      | 8         | 2   | 10  |
| South-West . . .                                           | 7         | 2         | 9      | 3         | 2         | 5      | 5         | 2         | 7      | 6         | 2         | 8      | 4         | 3         | 7      | 5         | 4         | 9      | 11        | 8         | 19     | 9         | 5         | 14     | 5          | ...       | 5      | 4         | 1         | 5      | 2         | ...       | 2      | 10        | 3   | 13  |
| West . . .                                                 | 5         | 9         | 14     | 7         | 5         | 12     | 6         | 3         | 9      | 7         | 14        | 21     | 5         | 7         | 12     | 12        | 8         | 20     | 8         | 9         | 17     | 12        | 12        | 24     | 16         | 15        | 31     | 4         | 3         | 7      | 5         | 6         | 11     | 2         | 9   | 11  |
| North-West . . .                                           | 5         | 5         | 10     | 5         | 15        | 20     | 4         | 14        | 18     | 2         | 4         | 6      | 5         | 4         | 9      | 2         | 4         | 6      | 1         | 2         | 3      | ...       | 2         | 2      | 3          | 6         | 9      | 3         | 3         | 6      | 1         | 4         | 5      | 1         | 4   | 5   |
| Calm . . .                                                 | 1         | ...       | 1      | ...       | ...       | ...    | 2         | 1         | 3      | 2         | 3         | 5      | ...       | ...       | ...    | ...       | 1         | 1      | ...       | 1         | 1      | ...       | ...       | ...    | ...        | 1         | 1      | ...       | 5         | 5      | 2         | ...       | 2      | 4         | 1   | 5   |
| Variable . . .                                             | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |
| Resultant {                                                | 11        |           |        | 48        |           |        | 38        |           |        | 45        |           |        | 22        |           |        | 42        |           |        | 41        |           |        | 45        |           |        | 65         |           |        | 14        |           |        | 14        |           |        | 30        |     |     |
|                                                            | S. 38° W. |           |        | N. 63° W. |           |        | N. 87° W. |           |        | S. 88° W. |           |        | N. 50° W. |           |        | N. 72° W. |           |        | S. 74° W. |           |        | S. 82° W. |           |        | N. 80° W.  |           |        | N. 3° W.  |           |        | N. 7° E.  |           |        | S. 84° W. |     |     |
| Mean diurnal velocity of wind in miles .                   | 26·8      |           |        | 31·6      |           |        | 41·2      |           |        | 38·4      |           |        | 70·1      |           |        | 95·0      |           |        | 95·6      |           |        | 96·3      |           |        | 61·8       |           |        | 35·2      |           |        | 26·1      |           |        | 29·9      |     |     |
| Average Resultant {                                        | 26        |           |        | 29        |           |        | 32        |           |        | 54        |           |        | 47        |           |        | 43        |           |        | 40        |           |        | 38        |           |        | 28         |           |        | 35        |           |        | 32        |           |        | 29        |     |     |
|                                                            | N. 15° W. |           |        | N. 39° W. |           |        | N. 55° W. |           |        | N. 72° W. |           |        | N. 71° W. |           |        | N. 72° W. |           |        | S. 78° W. |           |        | S. 82° W. |           |        | N. 67° W.  |           |        | N. 42° W. |           |        | N. 10° W. |           |        | N. 34° W. |     |     |
| Average diurnal velocity of wind in miles .<br>9-10 Years. | 32·5      |           |        | 41·0      |           |        | 55·0      |           |        | 68·1      |           |        | 81·1      |           |        | 104·4     |           |        | 100·7     |           |        | 80·5      |           |        | 57·5       |           |        | 36·4      |           |        | 25·4      |           |        | 28·5      |     |     |

## 74.—SUTNA (2 observations daily).

|                                                       | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |    |
|-------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|----|
|                                                       | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |    |
| North . . .                                           | 3         | 7         | 10     | 5         | 1         | 6      | 1         | 8         | 9      | 2         | 7         | 9      | ...       | 3         | 3      | 3         | 6         | 9      | 1         | 3         | 4      | 2         | ...       | 2      | 3          | 5         | 8      | ...       | 3         | 3      | 3         | 8         | 11     | 7         | 4   | 11 |
| North-East . . .                                      | 1         | 4         | 5      | 1         | ...       | 1      | 1         | ...       | 1      | 2         | ...       | 2      | ...       | 3         | 3      | 1         | 3         | 4      | 1         | 1         | 2      | ...       | 4         | 4      | ...        | 4         | 4      | 6         | 7         | 13     | 6         | 9         | 15     | 2         | 1   | 3  |
| East . . .                                            | 7         | 4         | 11     | 2         | 1         | 3      | 1         | 1         | 2      | 3         | ...       | 3      | 6         | 2         | 8      | 4         | 1         | 5      | 6         | 7         | 13     | 6         | 4         | 10     | 3          | 2         | 5      | 9         | 9         | 18     | 7         | 3         | 10     | 2         | 3   | 5  |
| South-East . . .                                      | 2         | ...       | 2      | ..        | ...       | ...    | 1         | 1         | 2      | 3         | ...       | 3      | 1         | 1         | 2      | 2         | ...       | 2      | 1         | 1         | 2      | ...       | 3         | 3      | 1          | ...       | 1      | 4         | 1         | 5      | 3         | ...       | 3      | 1         | 2   | 3  |
| South . . .                                           | 2         | 2         | 4      | 2         | ...       | 2      | 13        | 2         | 15     | 4         | ...       | 4      | 6         | 1         | 7      | 3         | 2         | 5      | 4         | 3         | 7      | 1         | ...       | 1      | 1          | ...       | 1      | ...       | ...       | 1      | ...       | 1         | 1      | ...       | 1   |    |
| South-West . . .                                      | 2         | ...       | 2      | 1         | ...       | 1      | 3         | ...       | 3      | 1         | 1         | 2      | 2         | 1         | 3      | ...       | ...       | ...    | 1         | 1         | 2      | 1         | 3         | 4      | 2          | ...       | 2      | 3         | ...       | 3      | 2         | ...       | 2      | 2         | 1   | 3  |
| West . . .                                            | 6         | 2         | 8      | 5         | 9         | 14     | 8         | 5         | 13     | 7         | 6         | 13     | 10        | 8         | 18     | 9         | 4         | 13     | 14        | 13        | 27     | 17        | 14        | 31     | 9          | 7         | 16     | 1         | 2         | 3      | 2         | 1         | 3      | 5         | 6   | 11 |
| North-West . . .                                      | 6         | 9         | 15     | 11        | 14        | 25     | 1         | 13        | 14     | 4         | 15        | 19     | 4         | 9         | 13     | 7         | 13        | 20     | 3         | 2         | 5      | 1         | 2         | 3      | 11         | 12        | 23     | 1         | 3         | 4      | 3         | 7         | 10     | 7         | 12  | 19 |
| Calm . . .                                            | 2         | 3         | 5      | 1         | 3         | 4      | 2         | 1         | 3      | 4         | 1         | 5      | 2         | 3         | 5      | 1         | 1         | 2      | ...       | ...       | ...    | 3         | 1         | 4      | ...        | ...       | ...    | 7         | 6         | 13     | 3         | 2         | 5      | 4         | 2   | 6  |
| Variable . . .                                        | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |
| Resultant {                                           | 29        |           |        | 64        |           |        | 34        |           |        | 45        |           |        | 29        |           |        | 44        |           |        | 26        |           |        | 34        |           |        | 58         |           |        | 40        |           |        | 44        |           |        | 44        |     |    |
|                                                       | N. 13° W. |           |        | N. 53° W. |           |        | N. 87° W. |           |        | N. 53° W. |           |        | N. 78° W. |           |        | N. 42° W. |           |        | S. 87° W. |           |        | N. 87° W. |           |        | N. 46° W.  |           |        | N. 68° E. |           |        | N. 25° E. |           |        | N. 39° W. |     |    |
| Mean diurnal velocity of wind in miles .              | 80·9      |           |        | 109·5     |           |        | 127·2     |           |        | 126·4     |           |        | 172·1     |           |        | 218·1     |           |        | 259·5     |           |        | 241·0     |           |        | 187·2      |           |        | 92·4      |           |        | 72·2      |           |        | 100·4     |     |    |
| Average Resultant {                                   | 27        |           |        | 38        |           |        | 39        |           |        | 55        |           |        | 52        |           |        | 50        |           |        | 45        |           |        | 39        |           |        | 31         |           |        | 47        |           |        | 33        |           |        | 39        |     |    |
|                                                       | N. 16° W. |           |        | N. 41° W. |           |        | N. 55° W. |           |        | N. 60° W. |           |        | N. 60° W. |           |        | N. 59° W. |           |        | N. 81° W. |           |        | N. 70° W. |           |        | N. 55° W.  |           |        | N. 34° W. |           |        | N. 21° W. |           |        | N. 39° W. |     |    |
| Average diurnal velocity of wind in miles 9-11 Years. | 92·5      |           |        | 112·9     |           |        | 131·1     |           |        | 162·7     |           |        | 187·9     |           |        | 227·7     |           |        | 224·3     |           |        | 189·5     |           |        | 155·7      |           |        | 101·2     |           |        | 76·2      |           |        | 86·1      |     |    |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 75.—INDORE (2 observations daily).

|                                                            | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |           |  |  |
|------------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|-----------|--|--|
|                                                            | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |           |  |  |
| North . . . . .                                            | 5           | 2         | 7      | 4         | 4         | 8      | 4         | 3         | 7      | 7         | 6         | 13     | 4         | 2         | 6      | 5         | 3         | 8      | 5         | 1         | 6      | 1         | 2         | 3      | 8          | 2         | 10     | 5         | 4         | 9      | 1         | 6         | 7      | ...       | 1   | 1   |           |  |  |
| North-East . . . . .                                       | 2           | 6         | 8      | 7         | 8         | 15     | 3         | 1         | 4      | 5         | 2         | 7      | 1         | ...       | 1      | ...       | 1         | ...    | ...       | ...       | ...    | ...       | ...       | 4      | 3          | 7         | 4      | 10        | 14        | 4      | 12        | 16        | 6      | 11        | 17  |     |           |  |  |
| East . . . . .                                             | 1           | 1         | 2      | 8         | 2         | 10     | 1         | ...       | 1      | 3         | ...       | 3      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | 2         | ...    | 2          | 8         | 3      | 11        | 7         | 4      | 11        | 9         | 7      | 16        |     |     |           |  |  |
| South-East . . . . .                                       | 13          | 6         | 19     | 2         | ...       | 2      | 5         | 1         | 6      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | 1      | 1         | ...       | ...    | ...       | ...       | ...    | 4          | 2         | 6      | 12        | 1         | 13     | 7         | 3         | 10     |           |     |     |           |  |  |
| South . . . . .                                            | 7           | 6         | 13     | 1         | 2         | 3      | 4         | 2         | 6      | ...       | 2         | 2      | 2         | 3         | 5      | ...       | 3         | 3      | 2         | 6         | 8      | 3         | 4         | 7      | ...        | ...       | ...    | ...       | 1         | 1      | 3         | ...       | 3      | 6         | 3   | 9   |           |  |  |
| South-West . . . . .                                       | ...         | 8         | 8      | 1         | 2         | 3      | 3         | 4         | 7      | ...       | 2         | 2      | 5         | 8         | 13     | 5         | 4         | 9      | 8         | 8         | 16     | 9         | 7         | 16     | 2          | 3         | 5      | 1         | 2         | 3      | ...       | ...       | ...    | 1         | 2   | 3   |           |  |  |
| West . . . . .                                             | 1           | ...       | 1      | ...       | 4         | 4      | 4         | 10        | 14     | 3         | 10        | 13     | 8         | 11        | 19     | 9         | 8         | 17     | 9         | 7         | 16     | 9         | 13        | 22     | 5          | 8         | 13     | 2         | ...       | 2      | ...       | ...       | ...    | ...       | ... |     |           |  |  |
| North-West . . . . .                                       | 1           | 2         | 3      | 3         | 5         | 8      | 3         | 4         | 7      | 8         | 6         | 14     | 9         | 5         | 14     | 10        | 8         | 18     | 6         | 7         | 13     | 9         | 4         | 13     | 8          | 5         | 13     | 3         | 7         | 10     | ...       | 1         | 1      | ...       | ... | ... |           |  |  |
| Calm . . . . .                                             | 1           | ...       | 1      | 2         | 1         | 3      | 4         | 6         | 10     | 4         | 2         | 6      | 2         | 2         | 4      | 1         | 3         | 4      | 1         | 1         | 2      | ...       | 1         | 1      | 1          | 9         | 10     | 4         | 2         | 6      | 3         | 6         | 9      | 2         | 4   | 6   |           |  |  |
| Variable . . . . .                                         | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |           |  |  |
| Resultant {                                                | Percentage  |           |        | 34        |           |        | 37        |           |        | 26        |           |        | 49        |           |        | 60        |           |        | 62        |           |        | 58        |           |        | 69         |           |        | 46        |           |        | 38        |           |        | 53        |     |     | 54        |  |  |
|                                                            | Direction . |           |        | S. 35° E. |           |        | N. 30° E. |           |        | S. 89° W. |           |        | N. 34° W. |           |        | N. 86° W. |           |        | N. 71° W. |           |        | S. 82° W. |           |        | S. 82° W.  |           |        | N. 42° W. |           |        | N. 37° E. |           |        | N. 78° E. |     |     | S. 81° E. |  |  |
| Mean diurnal velocity of wind in miles                     |             |           |        | 62.2      |           |        | 73.6      |           |        | 72.8      |           |        | 80.4      |           |        | 107.0     |           |        | 135.2     |           |        | 148.3     |           |        | 154.5      |           |        | 67.9      |           |        | 56.3      |           |        | 42.2      |     |     | 47.3      |  |  |
| Average Resultant {                                        | Percentage  |           |        | 11        |           |        | 14        |           |        | 31        |           |        | 54        |           |        | 63        |           |        | 70        |           |        | 75        |           |        | 77         |           |        | 53        |           |        | 36        |           |        | 54        |     |     | 39        |  |  |
|                                                            | Direction . |           |        | S. 88° E. |           |        | N. 17° E. |           |        | N. 51° W. |           |        | N. 59° W. |           |        | N. 71° W. |           |        | S. 87° W. |           |        | S. 78° W. |           |        | S. 87° W.  |           |        | N. 66° W. |           |        | N. 47° E. |           |        | N. 78° E. |     |     | S. 88° E. |  |  |
| Average diurnal velocity of wind in miles .<br>9-10 Years. |             |           |        | 56.9      |           |        | 73.2      |           |        | 85.7      |           |        | 108.1     |           |        | 146.7     |           |        | 170.3     |           |        | 163.3     |           |        | 151.2      |           |        | 116.4     |           |        | 54.1      |           |        | 47.2      |     |     | 47.3      |  |  |
| Average diurnal velocity of wind in miles .<br>8 Years.    |             |           |        | 56.9      |           |        | 73.2      |           |        | 85.7      |           |        | 108.1     |           |        | 146.7     |           |        | 170.3     |           |        | 163.3     |           |        | 151.2      |           |        | 116.4     |           |        | 54.1      |           |        | 47.2      |     |     | 47.3      |  |  |

## 76.—BICKANEER (2 observations daily).

|                                                            | JANUARY.   |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |           |  |  |  |  |  |
|------------------------------------------------------------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|-----------|--|--|--|--|--|
|                                                            | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |           |  |  |  |  |  |
| North . . . . .                                            | 1          | 2         | 3      | 4         | 7         | 11     | 3         | 4         | 7      | 1         | 1         | 2      | 1         | 4         | 5      | 1         | 1         | 2      | 1         | 3         | 4      | 1         | 3         | 4      | 1          | 3         | 4      | 3         | 2         | 5      | 5         | 7         | 12     | 9         | 1   | 10  |           |  |  |  |  |  |
| North-East . . . . .                                       | 3          | 5         | 8      | 4         | 1         | 5      | 1         | 3         | 4      | ...       | 1         | 1      | 1         | ...       | 1      | 1         | ...       | 1      | 1         | ...       | 1      | ...       | 2         | 2      | ...        | 1         | 1      | 1         | ...       | 1      | 2         | ...       | 2      | 4         | ... | 4   |           |  |  |  |  |  |
| East . . . . .                                             | 4          | 2         | 6      | 2         | 2         | 4      | 2         | 2         | 4      | 1         | 1         | 2      | ...       | ...       | ...    | ...       | ...       | ...    | 1         | 2         | 3      | 1         | 2         | 3      | 1          | 1         | 2      | 2         | 2         | 4      | 2         | ...       | 2      | 3         | 1   | 4   |           |  |  |  |  |  |
| South-East . . . . .                                       | 6          | 3         | 9      | ...       | ...       | ...    | 3         | 1         | 4      | 5         | 1         | 6      | 7         | 2         | 9      | 5         | 5         | 10     | 6         | 6         | 12     | 6         | 4         | 10     | 2          | 1         | 3      | 3         | 4         | 7      | 2         | 1         | 3      | 2         | 2   | 4   |           |  |  |  |  |  |
| South . . . . .                                            | 6          | 4         | 10     | 3         | 4         | 7      | 4         | 7         | 11     | 4         | 4         | 8      | 7         | 3         | 10     | 11        | 6         | 17     | 14        | 7         | 21     | 12        | 7         | 19     | 11         | 2         | 13     | 5         | 7         | 12     | 6         | 2         | 8      | 5         | 4   | 9   |           |  |  |  |  |  |
| South-West . . . . .                                       | 8          | 9         | 17     | 5         | 6         | 11     | 10        | 7         | 17     | 10        | 11        | 21     | 9         | 11        | 20     | 9         | 12        | 21     | 7         | 8         | 15     | 7         | 10        | 17     | 11         | 9         | 20     | 10        | 5         | 15     | 5         | 5         | 10     | 3         | 4   | 7   |           |  |  |  |  |  |
| West . . . . .                                             | ...        | ...       | ...    | 1         | 2         | 3      | 1         | ...       | 1      | 4         | 1         | 5      | 5         | 4         | 9      | 3         | 3         | 6      | ...       | ...       | ...    | 1         | 1         | 2      | 1          | 10        | 11     | 4         | 6         | 10     | 3         | 3         | 6      | 3         | 5   | 8   |           |  |  |  |  |  |
| North-West . . . . .                                       | ...        | ...       | 3      | 3         | 2         | 4      | 6         | 1         | 2      | 3         | ...       | 3      | 3         | ...       | 2      | 2         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | 1      | 1          | 2         | 1      | 1         | 2         | 3      | 1         | 4         | 2      | 1         | 3   |     |           |  |  |  |  |  |
| Calm . . . . .                                             | 3          | 3         | 6      | 7         | 2         | 9      | 6         | 5         | 11     | 5         | 7         | 12     | 1         | 5         | 6      | ...       | 3         | 3      | 1         | 5         | 6      | 3         | 2         | 5      | 2          | 2         | 4      | 2         | 4         | 6      | 2         | 11        | 13     | ...       | 13  | 13  |           |  |  |  |  |  |
| Variable . . . . .                                         | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |           |  |  |  |  |  |
| Resultant {                                                | Percentage |           |        | 29        |           |        | 15        |           |        | 24        |           |        | 45        |           |        | 47        |           |        | 64        |           |        | 57        |           |        | 53         |           |        | 53        |           |        | 39        |           |        | 17        |     |     | 9         |  |  |  |  |  |
|                                                            | Direction. |           |        | S. 12° E. |           |        | N. 62° W. |           |        | S. 21° W. |           |        | S. 34° W. |           |        | S. 37° W. |           |        | S. 20° W. |           |        | S. 3° E.  |           |        | S. 4° W.   |           |        | S. 43° W. |           |        | S. 31° W. |           |        | S. 85° W. |     |     | S. 71° W. |  |  |  |  |  |
| Mean diurnal velocity of wind in miles .                   |            |           |        | 82.9      |           |        | 92.8      |           |        | 96.6      |           |        | 88.6      |           |        | 130.0     |           |        | 156.4     |           |        | 158.5     |           |        | 115.5      |           |        | 169.0     |           |        | 82.2      |           |        | 63.9      |     |     | 60.0      |  |  |  |  |  |
| Average Resultant {                                        | Percentage |           |        | 13        |           |        | 10        |           |        | 17        |           |        | 41        |           |        | 46        |           |        | 67        |           |        | 36        |           |        | 51         |           |        | 38        |           |        | 41        |           |        | 14        |     |     | 15        |  |  |  |  |  |
|                                                            | Direction. |           |        | N. 62° E. |           |        | N. 11° W. |           |        | S. 74° W. |           |        | S. 65° W. |           |        | S. 78° W. |           |        | S. 51° W. |           |        | S. 39° W. |           |        | S. 37° W.  |           |        | S. 47° W. |           |        | S. 61° W. |           |        | S. 45° W. |     |     | N. 74° E. |  |  |  |  |  |
| 6-10 Years.<br>Average diurnal velocity of wind in miles . |            |           |        | 68.2      |           |        | 87.1      |           |        | 102.5     |           |        | 112.6     |           |        | 151.6     |           |        | 187.2     |           |        | 164.5     |           |        | 149.8      |           |        | 135.3     |           |        | 96.8      |           |        | 56.7      |     |     | 57.6      |  |  |  |  |  |
| 7-10 Years.                                                |            |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |     |           |  |  |  |  |  |



## 77.—JEYPORE (4 Observations daily.)

|                                                    | JANUARY.        |           |           |           |        | FEBRUARY.      |           |           |           |        | MARCH.         |           |           |           |        | APRIL.          |           |           |           |        | MAY.            |           |           |           |        | JUNE.           |           |           |           |        |
|----------------------------------------------------|-----------------|-----------|-----------|-----------|--------|----------------|-----------|-----------|-----------|--------|----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|
|                                                    | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.       | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.       | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                    | 5               | 2         | 3         | 8         | 18     | 15             | 5         | 9         | 12        | 41     | 5              | 3         | 4         | 7         | 19     | 12              | 3         | 5         | 8         | 28     | 8               | 2         | 5         | 5         | 20     | 3               | 1         | 3         | 3         | 10     |
| North-East . . . . .                               | 4               | 4         | ...       | 3         | 11     | 6              | 9         | 2         | 3         | 20     | 6              | 4         | ...       | 5         | 15     | 5               | 1         | 1         | 1         | 8      | 7               | ...       | 2         | 3         | 12     | 1               | 2         | 2         | 2         | 7      |
| East . . . . .                                     | 7               | 11        | 4         | 7         | 29     | 2              | 2         | ...       | 2         | 6      | 9              | 5         | ...       | 4         | 18     | 2               | 4         | ...       | 1         | 7      | 7               | 2         | 2         | 5         | 16     | 2               | 1         | 3         | 2         | 8      |
| South-East . . . . .                               | 6               | 5         | 4         | 3         | 18     | ...            | 4         | 1         | ...       | 5      | 2              | 6         | 1         | 2         | 11     | 1               | 2         | ...       | ...       | 3      | 3               | 5         | ...       | 1         | 9      | 4               | 2         | 1         | 2         | 9      |
| South . . . . .                                    | ...             | 3         | 4         | 2         | 9      | ...            | ...       | 1         | ...       | 1      | ...            | 2         | 4         | 1         | 7      | ...             | 3         | 1         | ...       | 4      | 1               | 4         | ...       | ...       | 5      | ...             | 2         | ...       | 1         | 3      |
| South-West . . . . .                               | 1               | ...       | 2         | 2         | 5      | ...            | 1         | 2         | ...       | 3      | 2              | 2         | 3         | 1         | 8      | ...             | 3         | 2         | 2         | 7      | 2               | 4         | 3         | 2         | 11     | 3               | 3         | 3         | 2         | 11     |
| West . . . . .                                     | 1               | 2         | 1         | 1         | 5      | ...            | 3         | 4         | 2         | 9      | 1              | 6         | 3         | 1         | 11     | 1               | 2         | 6         | 2         | 11     | 1               | 2         | 6         | 4         | 13     | 4               | 4         | 5         | 4         | 17     |
| North-West . . . . .                               | 3               | 4         | 11        | 5         | 23     | 4              | 4         | 8         | 8         | 24     | 4              | 3         | 14        | 8         | 29     | 7               | 11        | 15        | 15        | 48     | 2               | 11        | 13        | 9         | 35     | 7               | 13        | 11        | 10        | 41     |
| Calm . . . . .                                     | 4               | ...       | 2         | ...       | 6      | 1              | ...       | 1         | 1         | 3      | 2              | ...       | 2         | 2         | 6      | 2               | 1         | ...       | 1         | 4      | ...             | 1         | ...       | 2         | 3      | 6               | 2         | 2         | 4         | 14     |
| Variable . . . . .                                 | ...             | ...       | ...       | ...       | ...    | ...            | ...       | ...       | ...       | ...    | ...            | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Resultant { Percentage Direction .                 | 24<br>N. 55° E. |           |           |           |        | 59<br>N. 4° W. |           |           |           |        | 24<br>N. 2° W. |           |           |           |        | 55<br>N. 32° W. |           |           |           |        | 30<br>N. 23° W. |           |           |           |        | 36<br>N. 52° W. |           |           |           |        |
| Mean diurnal velocity of wind in miles . . . . .   | 100'5           |           |           |           |        | 101'0          |           |           |           |        | 128'4          |           |           |           |        | 118'3           |           |           |           |        | 141'9           |           |           |           |        | 150'4           |           |           |           |        |
| Average Resultant { Percentage Direction .         | 19<br>N. 14° E. |           |           |           |        | 37<br>N. 7° W. |           |           |           |        | 29<br>N. 8° W. |           |           |           |        | 53<br>N. 39° W. |           |           |           |        | 45<br>N. 42° W. |           |           |           |        | 45<br>N. 58° W. |           |           |           |        |
| Average diurnal velocity of wind in miles 6 Years. | 93'7            |           |           |           |        | 109'1          |           |           |           |        | 141'5          |           |           |           |        | 143'2           |           |           |           |        | 167'3           |           |           |           |        | 180'2           |           |           |           |        |

|                                                    | JULY.           |           |           |           |        | AUGUST.         |           |           |           |        | SEPTEMBER.      |           |           |           |        | OCTOBER.        |           |           |           |        | NOVEMBER.      |           |           |           |        | DECEMBER.      |           |           |           |        |
|----------------------------------------------------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|----------------|-----------|-----------|-----------|--------|----------------|-----------|-----------|-----------|--------|
|                                                    | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.       | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.       | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                    | 1               | 2         | 3         | 1         | 7      | 1               | 3         | 2         | ...       | 6      | 6               | 4         | 2         | 1         | 13     | 3               | 3         | 4         | 3         | 13     | 11             | 2         | 5         | 9         | 27     | 8              | 8         | 7         | 10        | 33     |
| North-East . . . . .                               | ...             | ...       | 1         | ...       | 1      | 1               | 2         | 2         | 1         | 6      | 1               | 1         | 2         | 2         | 6      | 3               | 1         | 7         | 7         | 18     | 5              | 4         | 4         | 1         | 14     | 3              | 4         | 2         | 2         | 11     |
| East . . . . .                                     | 2               | 4         | 7         | 3         | 16     | 3               | 3         | 5         | ...       | 11     | 1               | 2         | 3         | 1         | 7      | 12              | 9         | 9         | 11        | 41     | 3              | 3         | 1         | 3         | 10     | 2              | 3         | 2         | 1         | 8      |
| South-East . . . . .                               | 4               | 2         | 3         | 5         | 14     | 1               | 2         | ...       | 4         | 7      | 1               | 1         | ...       | ...       | 2      | 4               | 7         | 4         | 5         | 20     | 3              | 5         | ...       | 2         | 10     | 4              | 3         | 2         | 3         | 12     |
| South . . . . .                                    | 1               | ...       | ...       | 2         | 3      | 1               | ...       | ...       | 2         | 3      | ...             | ...       | 1         | ...       | 1      | ...             | 3         | 2         | ...       | 5      | ...            | 1         | 2         | 1         | 4      | 3              | 2         | 1         | 2         | 8      |
| South-West . . . . .                               | 2               | 2         | 3         | 5         | 12     | 3               | ...       | 4         | 2         | 9      | ...             | ...       | 1         | ...       | 1      | 1               | 5         | 2         | ...       | 8      | ...            | 6         | 1         | ...       | 7      | 1              | 2         | 3         | 2         | 8      |
| West . . . . .                                     | 11              | 6         | 6         | 7         | 30     | 7               | 5         | 9         | 7         | 28     | 3               | ...       | 6         | 6         | 15     | ...             | 1         | ...       | 1         | 2      | 1              | 3         | 2         | 2         | 8      | ...            | ...       | 2         | 2         | 4      |
| North-West . . . . .                               | 6               | 14        | 8         | 4         | 32     | 9               | 16        | 8         | 7         | 40     | 13              | 22        | 14        | 12        | 61     | ...             | ...       | 1         | 1         | 2      | 3              | 2         | 12        | 5         | 22     | 5              | 4         | 9         | 6         | 24     |
| Calm . . . . .                                     | 4               | 1         | ...       | 4         | 9      | 5               | ...       | 1         | 8         | 14     | 5               | ...       | 1         | 8         | 14     | 8               | 2         | 2         | 3         | 15     | 4              | 4         | 3         | 7         | 18     | 5              | 5         | 3         | 3         | 16     |
| Variable . . . . .                                 | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...            | ...       | ...       | ...       | ...    | ...            | ...       | ...       | ...       | ...    |
| Resultant { Percentage Direction .                 | 29<br>N. 75° W. |           |           |           |        | 39<br>N. 60° W. |           |           |           |        | 62<br>N. 39° W. |           |           |           |        | 47<br>N. 88° E. |           |           |           |        | 30<br>N. 2° W. |           |           |           |        | 29<br>N. 4° W. |           |           |           |        |
| Mean diurnal velocity of wind in miles . . . . .   | 132'7           |           |           |           |        | 116'3           |           |           |           |        | 124'0           |           |           |           |        | 87'2            |           |           |           |        | 64'2           |           |           |           |        | 74'4           |           |           |           |        |
| Average Resultant { Percentage Direction .         | 22<br>N. 51° W. |           |           |           |        | 42<br>N. 60° W. |           |           |           |        | 43<br>N. 29° W. |           |           |           |        | 40<br>N. 1° W.  |           |           |           |        | 42<br>N. 2° W. |           |           |           |        | 29<br>N. 8° E. |           |           |           |        |
| Average diurnal velocity of wind in miles 6 Years. | 149'7           |           |           |           |        | 135'9           |           |           |           |        | 128'4           |           |           |           |        | 90'3            |           |           |           |        | 72'4           |           |           |           |        | 83'0           |           |           |           |        |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 78.—SAMBHAR (2 observations daily.)

|                                                      | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |      |     |           |  |  |
|------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|------|-----|-----------|--|--|
|                                                      | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |      |     |           |  |  |
| North . . . . .                                      | 8           | 1         | 9      | 8         | 5         | 13     | 3         | 3         | 6      | 4         | 3         | 7      | 2         | 2         | 4      | ...       | 2         | 2      | 1         | 3         | 4      | 2         | 5         | 7      | 1          | 2         | 3      | 7         | 8         | 15     | 6         | 8         | 14     | 12        | 5    | 17  |           |  |  |
| North-East . . . . .                                 | 7           | 1         | 8      | 5         | ...       | 5      | 10        | ...       | 10     | 3         | ...       | 3      | ...       | 2         | 2      | ...       | 2         | 2      | ...       | 4         | 4      | 1         | 1         | 2      | 1          | 2         | 3      | 6         | 4         | 10     | 3         | ...       | 3      | 2         | 1    | 3   |           |  |  |
| East . . . . .                                       | 2           | 2         | 4      | 1         | ...       | 1      | 2         | ...       | 2      | ...       | ...       | ...    | 1         | ...       | 1      | 1         | ...       | 1      | 1         | 6         | 7      | 1         | 1         | 2      | 1          | 1         | 2      | 4         | 3         | 7      | ...       | ...       | ...    | 2         | 4    | 6   |           |  |  |
| South-East . . . . .                                 | 8           | 5         | 13     | 1         | 1         | 2      | 5         | 1         | 6      | 3         | 1         | 4      | 5         | ...       | 5      | 1         | 1         | 2      | 3         | 2         | 5      | ...       | 1         | 1      | ...        | ...       | ...    | 7         | 3         | 10     | 3         | 2         | 5      | 3         | 2    | 5   |           |  |  |
| South . . . . .                                      | 2           | 3         | 5      | 4         | 3         | 7      | 2         | 1         | 3      | 2         | 1         | 3      | 4         | 1         | 5      | 3         | 2         | 5      | 1         | 1         | 2      | ...       | ...       | ...    | 1          | 1         | 2      | 2         | ...       | 2      | 3         | 3         | 6      | 1         | 2    | 3   |           |  |  |
| South-West . . . . .                                 | 1           | 2         | 3      | 1         | 1         | 2      | ...       | 1         | 1      | 1         | 2         | 3      | 2         | 2         | 4      | 4         | 3         | 7      | 4         | 3         | 7      | 2         | 6         | 8      | ...        | 1         | 1      | ...       | ...       | ...    | 2         | 1         | 3      | ...       | ...  | ... |           |  |  |
| West . . . . .                                       | 1           | 7         | 8      | 6         | 16        | 22     | 7         | 17        | 24     | 10        | 11        | 21     | 9         | 16        | 25     | 15        | 14        | 29     | 19        | 11        | 23     | 16        | 15        | 31     | 14         | 18        | 32     | 3         | 4         | 7      | 4         | 6         | 10     | 7         | 11   | 18  |           |  |  |
| North-West . . . . .                                 | 2           | 9         | 11     | 2         | 2         | 4      | 2         | 8         | 10     | 7         | 12        | 19     | 8         | 8         | 16     | 6         | 6         | 12     | 9         | 1         | 10     | 9         | 2         | 11     | 12         | 5         | 17     | 2         | 9         | 11     | 8         | 10        | 18     | 4         | 6    | 10  |           |  |  |
| Calm . . . . .                                       | ...         | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | 1         | ...       | 1      | ...       | ...  | ... |           |  |  |
| Variable . . . . .                                   | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...  | ... |           |  |  |
| Resultant {                                          | Percentage  |           |        | 10        |           |        | 40        |           |        | 36        |           |        | 58        |           |        | 54        |           |        | 64        |           |        | 35        |           |        | 67         |           |        | 72        |           |        | 35        |           |        | 43        |      |     | 38        |  |  |
|                                                      | Direction . |           |        | N. 9° E.  |           |        | N. 65° W. |           |        | N. 57° W. |           |        | N. 65° W. |           |        | N. 81° W. |           |        | N. 89° W. |           |        | N. 81° W. |           |        | N. 76° W.  |           |        | N. 70° W. |           |        | N. 17° E. |           |        | N. 48° W. |      |     | N. 34° W. |  |  |
| Mean diurnal velocity of wind in miles .             |             | 127°0     |        |           | 144°1     |        |           | 172°6     |        |           | 153°1     |        |           | 200°2     |        |           | 233°6     |        |           | 215°3     |        |           | 190°1     |        |            | 199°0     |        |           | 124°3     |        |           | 92°6      |        |           | 92°3 |     |           |  |  |
| Average Resultant {                                  | Percentage  |           |        | 12        |           |        | 33        |           |        | 32        |           |        | 61        |           |        | 51        |           |        | 64        |           |        | 38        |           |        | 57         |           |        | 49        |           |        | 63        |           |        | 46        |      |     | 24        |  |  |
|                                                      | Direction . |           |        | N. 24° W. |           |        | N. 66° W. |           |        | N. 63° W. |           |        | N. 77° W. |           |        | N. 80° W. |           |        | S. 86° W. |           |        | S. 81° W. |           |        | S. 79° W.  |           |        | N. 69° W. |           |        | N. 69° W. |           |        | N. 47° W. |      |     | N. 46° W. |  |  |
| Average diurnal velocity of wind in miles 5-7 Years. |             | 110°6     |        |           | 128°3     |        |           | 148°0     |        |           | 172°7     |        |           | 232°3     |        |           | 272°2     |        |           | 217°0     |        |           | 194°5     |        |            | 172°0     |        |           | 112°0     |        |           | 81°9      |        |           | 86°7 |     |           |  |  |

## 79.—AJMERE—(2 observations daily.)

|                                                        | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |      |    |           |  |  |
|--------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|------|----|-----------|--|--|
|                                                        | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |      |    |           |  |  |
| North . . . . .                                        | 1           | 3         | 4      | 1         | 3         | 4      | 1         | 4         | 5      | ...       | 1         | 1      | ...       | 3         | 3      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 1          | 5         | 6      | ...       | 3         | 3      | ...       | 6         | 6      |           |      |    |           |  |  |
| North-East . . . . .                                   | 8           | 8         | 16     | 10        | 8         | 18     | 6         | 3         | 9      | 2         | 1         | 3      | 1         | 2         | 3      | ...       | 1         | 1      | 1         | 4         | 5      | 2         | 4         | 6      | ...        | 2         | 2      | 3         | 11        | 14     | 1         | 9         | 10     | 6         | 6    | 12 |           |  |  |
| East . . . . .                                         | ...         | 1         | 1      | 2         | 1         | 3      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 1         | 1         | 2      | ...       | ...       | ...    | ...        | ...       | 5      | 3         | 8         | ...    | ...       | ...       | ...    | 1         | 1    |    |           |  |  |
| South-East . . . . .                                   | 6           | 4         | 10     | 6         | 1         | 7      | 3         | ...       | 3      | 5         | 1         | 6      | 3         | 1         | 4      | 2         | 1         | 3      | 1         | 4         | 5      | ...       | 1         | 1      | 2          | ...       | 2      | 6         | 2         | 8      | 8         | ...       | 8      | 4         | 1    | 5  |           |  |  |
| South . . . . .                                        | 4           | 3         | 7      | 3         | 3         | 6      | 6         | 1         | 7      | 3         | 1         | 4      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | 1      | 1          | 2         | ...    | 2         | 2         | 2      | 4         | 4         | ...    | 4         | ...  |    |           |  |  |
| South-West . . . . .                                   | 2           | 2         | 4      | 2         | 2         | 4      | 4         | 3         | 7      | 2         | 5         | 7      | 10        | 8         | 18     | ...       | ...       | ...    | 2         | 3         | 5      | 7         | 5         | 12     | ...        | 6         | 6      | 4         | ...       | 4      | 6         | ...       | 6      | 6         | 2    | 8  |           |  |  |
| West . . . . .                                         | 1           | 2         | 3      | 1         | 4         | 5      | 6         | 8         | 14     | 5         | 11        | 16     | 12        | 5         | 17     | 20        | 11        | 31     | 13        | 6         | 19     | 12        | 11        | 23     | 16         | 13        | 29     | 4         | 1         | 5      | 4         | 4         | 8      | ...       | 2    | 2  |           |  |  |
| North-West . . . . .                                   | 2           | 7         | 9      | 2         | 6         | 8      | 2         | 11        | 13     | 12        | 10        | 22     | 4         | 10        | 14     | 8         | 16        | 24     | 13        | 13        | 26     | 10        | 10        | 20     | 11         | 6         | 17     | 1         | 2         | 3      | 1         | 7         | 8      | 1         | 10   | 11 |           |  |  |
| Calm . . . . .                                         | 7           | 1         | 8      | 1         | ...       | 1      | 2         | 1         | 3      | 1         | ...       | 1      | 1         | 2         | 3      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | 1      | 2          | 3         | 5      | 7         | 12        | 8      | 5         | 13        | 10     | 3         | 13   |    |           |  |  |
| Variable . . . . .                                     | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...  |    |           |  |  |
| Resultant {                                            | Percentage  |           |        | 14        |           |        | 20        |           |        | 32        |           |        | 51        |           |        | 56        |           |        | 80        |           |        | 57        |           |        | 67         |           |        | 72        |           |        | 25        |           |        | 9         |      |    | 15        |  |  |
|                                                        | Direction . |           |        | N. 56° E. |           |        | N. 40° E. |           |        | N. 71° W. |           |        | N. 80° W. |           |        | S. 89° W. |           |        | N. 71° W. |           |        | N. 65° W. |           |        | N. 77° W.  |           |        | N. 81° W. |           |        | N. 61° E. |           |        | N. 71° W. |      |    | N. 15° W. |  |  |
| Mean diurnal velocity of wind in miles .               |             | 37°0      |        |           | 63°4      |        |           | 95°3      |        |           | 87°8      |        |           | 119°4     |        |           | 183°0     |        |           | 156°8     |        |           | 147°5     |        |            | 150°0     |        |           | 29°2      |        |           | 17°9      |        |           | 19°5 |    |           |  |  |
| Average Resultant {                                    | Percentage  |           |        | 8         |           |        | 8         |           |        | 28        |           |        | 52        |           |        | 63        |           |        | 68        |           |        | 64        |           |        | 56         |           |        | 44        |           |        | 23        |           |        | 10        |      |    | 15        |  |  |
|                                                        | Direction . |           |        | N. 82° E. |           |        | S. 77° W. |           |        | S. 61° W. |           |        | S. 74° W. |           |        | S. 60° W. |           |        | S. 61° W. |           |        | S. 62° W. |           |        | S. 70° W.  |           |        | S. 80° W. |           |        | N. 76° W. |           |        | N. 32° E. |      |    | N. 84° E. |  |  |
| Average diurnal velocity of wind in miles. 9-11 Years. |             | 47°1      |        |           | 63°3      |        |           | 86°2      |        |           | 126°3     |        |           | 168°6     |        |           | 201°7     |        |           | 168°2     |        |           | 130°8     |        |            | 117°4     |        |           | 62°3      |        |           | 34°8      |        |           | 34°5 |    |           |  |  |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 80.—MOUNT ABU (2 observations daily.)

|                                                      | JANUARY.   |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |      |     |           |  |
|------------------------------------------------------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|------|-----|-----------|--|
|                                                      | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |      |     |           |  |
| North . . .                                          | 4          | 9         | 13     | 7         | 13        | 20     | 4         | 8         | 12     | 3         | 3         | 6      | 2         | 2         | 4      | 1         | 2         | 3      | 1         | ...       | 1      | ...       | ...       | ...    | ...        | ...       | 4      | 5         | 9         | ...    | 6         | 6         | 1      | 4         | 5    |     |           |  |
| North-East . . .                                     | 1          | 3         | 4      | 1         | 3         | 4      | 3         | 1         | 4      | 3         | 3         | 6      | 3         | 2         | 5      | ...       | 1         | 1      | ...       | 1         | 1      | 3         | ...       | 3      | 2          | 3         | 5      | 7         | 11        | 18     | 2         | 8         | 10     | 4         | 13   | 17  |           |  |
| East . . .                                           | 5          | 2         | 7      | 4         | ...       | 4      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 1         | ...       | 1      | 3         | 1         | 4      | ...       | ...       | ...    | 2          | ...       | 2      | 9         | 4         | 13     | 8         | 4         | 12     | 6         | 3    | 9   |           |  |
| South-East . . .                                     | 5          | 1         | 6      | 4         | ...       | 4      | 3         | ...       | 3      | 1         | ...       | 1      | 1         | ...       | 1      | 1         | ...       | 1      | 3         | 3         | 7      | ...       | ...       | ...    | ...        | 1         | 1      | 3         | ...       | 3      | 4         | 1         | 5      | 5         | 1    | 6   |           |  |
| South . . .                                          | 4          | 5         | 9      | ...       | ...       | ...    | 3         | 6         | 9      | 1         | 1         | 2      | 3         | 3         | 6      | 4         | 4         | 8      | 1         | 3         | 4      | ...       | ...       | ...    | 2          | 1         | 3      | 2         | ...       | 2      | 6         | 1         | 7      | 8         | 1    | 9   |           |  |
| South-West . . .                                     | 6          | 3         | 9      | 5         | 4         | 9      | 7         | 6         | 13     | 3         | 9         | 12     | 11        | 14        | 25     | 12        | 16        | 28     | 13        | 13        | 26     | 12        | 13        | 25     | 10         | 12        | 22     | 1         | 3         | 4      | 5         | 1         | 6      | 3         | 4    | 7   |           |  |
| West . . .                                           | 6          | 4         | 10     | 6         | 5         | 11     | 8         | 8         | 16     | 13        | 10        | 23     | 8         | 9         | 17     | 11        | 5         | 16     | 7         | 8         | 15     | 13        | 12        | 25     | 13         | 10        | 23     | 2         | 4         | 6      | 4         | 7         | 11     | 3         | 2    | 5   |           |  |
| North-West . . .                                     | ...        | 3         | 3      | 1         | 2         | 3      | 2         | 2         | 4      | 6         | 4         | 10     | 3         | 1         | 4      | ...       | 1         | 1      | 3         | 1         | 4      | 2         | 3         | 5      | 1          | 2         | 3      | 3         | 3         | 6      | 1         | 1         | 2      | ...       | 2    | 2   |           |  |
| Calm . . .                                           | ...        | 1         | 1      | ...       | 1         | 1      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | 1         | 1      | ...       | 1         | 1      | 1         | 3         | 4      | ...        | 1         | 1      | ...       | 1         | 1      | ...       | 1         | 1      | 1         | 1    | 2   |           |  |
| Variable . . .                                       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...  | ... |           |  |
| Resultant {                                          | Percentage |           |        | 33        |           |        | 37        |           |        | 57        |           |        | 58        |           |        | 70        |           |        | 57        |           |        | 74        |           |        | 62         |           |        | 39        |           |        | 10        |           |        | 22        |      |     |           |  |
|                                                      | Direction  |           |        | S. 69° W. |           |        | N. 32° W. |           |        | S. 83° W. |           |        | N. 80° W. |           |        | S. 67° W. |           |        | S. 55° W. |           |        | S. 51° W. |           |        | S. 75° W.  |           |        | S. 68° W. |           |        | N. 38° E. |           |        | S. 87° E. |      |     | N. 89° E. |  |
| Mean diurnal velocity of wind in miles .             |            | 128.5     |        |           | 145.1     |        |           | 160.4     |        |           | 179.0     |        |           | 192.5     |        |           | 203.2     |        |           | 240.7     |        |           | 248.6     |        |            | 197.3     |        |           | 115.0     |        |           | 84.4      |        |           | 83.4 |     |           |  |
| Average Resultant {                                  | Percentage |           |        | 22        |           |        | 37        |           |        | 53        |           |        | 71        |           |        | 76        |           |        | 66        |           |        | 72        |           |        | 20         |           |        | 2         |           |        | 20        |           |        | 14        |      |     |           |  |
|                                                      | Direction  |           |        | N. 83° W. |           |        | N. 81° W. |           |        | S. 85° W. |           |        | S. 76° W. |           |        | S. 58° W. |           |        | S. 38° W. |           |        | S. 49° W. |           |        | S. 62° W.  |           |        | N. 17° E. |           |        | N. 73° E. |           |        | N. 48° E. |      |     |           |  |
| Average diurnal velocity of wind in miles 5-8 Years. |            | 112.0     |        |           | 134.6     |        |           | 157.5     |        |           | 186.9     |        |           | 224.0     |        |           | 250.5     |        |           | 249.0     |        |           | 260.3     |        |            | 172.1     |        |           | 94.4      |        |           | 89.3      |        |           | 88.8 |     |           |  |

## 81.—PACHPADRA (2 observations daily.)

|                                                      | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |      |     |           |  |
|------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|------|-----|-----------|--|
|                                                      | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |      |     |           |  |
| North . . .                                          | ...         | 3         | 3      | ...       | 4         | 4      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | 1         | 1      | ...       | ...       | ...    | ...       | 1         | 1      | ...       | ...       | ...    | ...        | ...       | 3      | 2         | 5         | 3      | 5         | 8         | 5      | 6         | 11   |     |           |  |
| North-East . . .                                     | 8           | 8         | 16     | 5         | 6         | 11     | 1         | ...       | 1      | ...       | ...       | ...    | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | 3         | 6      | 9         | 6         | 3      | 9         | 8         | 6      | 14        |      |     |           |  |
| East . . .                                           | 8           | 2         | 10     | 6         | 3         | 9      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | 1      | 1         | 2         | ...    | ...       | ...       | ...    | ...        | 8         | 4      | 12        | 6         | 1      | 7         | 13        | ...    | 13        |      |     |           |  |
| South-East . . .                                     | 2           | 6         | 8      | 4         | 5         | 9      | 6         | ...       | 6      | 1         | ...       | 1      | ...       | 1         | 1      | 1         | ...       | 1      | 2         | ...       | 2      | ...       | ...       | ...    | ...        | 4         | 1      | 5         | 6         | 2      | 8         | 2         | ...    | 2         |      |     |           |  |
| South . . .                                          | ...         | 1         | 1      | ...       | ...       | ...    | ...       | 1         | 1      | 3         | 4         | 7      | 2         | 3         | 5      | 3         | 6         | 9      | 6         | 8         | 14     | 2         | 10        | 12     | 3          | 5         | 8      | ...       | 1         | 1      | ...       | 1         | 1      | ...       | ...  | ... |           |  |
| South-West . . .                                     | 2           | 6         | 8      | 2         | 3         | 5      | 3         | 10        | 13     | 8         | 11        | 19     | 16        | 13        | 29     | 19        | 19        | 38     | 14        | 10        | 24     | 18        | 15        | 33     | 17         | 19        | 36     | 10        | 5         | 15     | ...       | ...       | ...    | 1         | 3    | 4   |           |  |
| West . . .                                           | ...         | ...       | ...    | ...       | 3         | 3      | ...       | 2         | 2      | ...       | 2         | 2      | ...       | 1         | 1      | 3         | 1         | 4      | ...       | 1         | 1      | 5         | ...       | 5      | 5          | ...       | 5      | 2         | 2         | 4      | 2         | 1         | 3      | ...       | ...  | ... |           |  |
| North-West . . .                                     | ...         | 4         | 4      | 2         | 4         | 6      | 2         | 6         | 8      | 2         | 5         | 7      | 1         | 3         | 4      | 4         | 4         | 8      | ...       | ...       | ...    | 2         | ...       | 2      | 2          | ...       | 2      | ...       | 3         | 3      | ...       | 1         | 1      | 1         | ...  | 1   |           |  |
| Calm . . .                                           | 11          | 1         | 12     | 9         | ...       | 9      | 19        | 11        | 30     | 16        | 8         | 24     | 12        | 8         | 20     | ...       | ...       | ...    | 8         | 10        | 18     | 4         | 6         | 10     | 3          | 6         | 9      | 1         | 7         | 8      | 7         | 16        | 23     | 1         | 16   | 17  |           |  |
| Variable . . .                                       | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...  | ... |           |  |
| Resultant {                                          | Percentage  |           |        | 25        |           |        | 22        |           |        | 42        |           |        | 51        |           |        | 79        |           |        | 56        |           |        | 73        |           |        | 75         |           |        | 9         |           |        | 29        |           |        | 44        |      |     |           |  |
|                                                      | Direction . |           |        | N. 64° E. |           |        | S. 53° W. |           |        | S. 51° W. |           |        | S. 47° W. |           |        | S. 49° W. |           |        | S. 25° W. |           |        | S. 41° W. |           |        | S. 45° W.  |           |        | S. 72° E. |           |        | N. 61° E. |           |        | N. 50° E. |      |     |           |  |
| Mean diurnal velocity of wind in miles .             |             | 45.0      |        |           | 50.5      |        |           | 71.8      |        |           | 66.4      |        |           | 184.9     |        |           | 253.9     |        |           | 238.5     |        |           | 214.4     |        |            | 215.3     |        |           | 110.1     |        |           | 78.6      |        |           | 81.7 |     |           |  |
| Average Resultant {                                  | Percentage  |           |        | 8         |           |        | 16        |           |        | 47        |           |        | 68        |           |        | 79        |           |        | 63        |           |        | 74        |           |        | 53         |           |        | 19        |           |        | 29        |           |        | 36        |      |     |           |  |
|                                                      | Direction . |           |        | N. 58° E. |           |        | N. 50° E. |           |        | S. 37° W. |           |        | S. 47° W. |           |        | S. 44° W. |           |        | S. 40° W. |           |        | S. 33° W. |           |        | S. 39° W.  |           |        | S. 46° W. |           |        | S. 35° W. |           |        | N. 56° E. |      |     | N. 51° E. |  |
| Average diurnal velocity of wind in miles 6-8 Years. |             | 21        |        |           | 8         |        |           | 16        |        |           | 47        |        |           | 68        |        |           | 79        |        |           | 63        |        |           | 74        |        |            | 53        |        |           | 19        |        |           | 29        |        |           | 36   |     |           |  |
| Average diurnal velocity of wind in miles 4-7 Years. |             | 59.0      |        |           | 70.7      |        |           | 79.1      |        |           | 96.5      |        |           | 210.5     |        |           | 278.0     |        |           | 234.8     |        |           | 216.4     |        |            | 132.0     |        |           | 88.7      |        |           | 50.2      |        |           | 47.6 |     |           |  |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 82.—JACOBABAD (2 observations daily).

|                                                       | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |           |  |  |
|-------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|-----------|--|--|
|                                                       | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |           |  |  |
| North . . . . .                                       | 3           | 2         | 5      | 5         | 1         | 6      | 2         | 2         | 4      | 4         | 2         | 6      | 5         | 4         | 9      | ...       | ...       | ...    | 1         | 1         | 2      | ...       | ...       | ...    | 1          | ...       | 1      | 3         | ...       | 3      | 2         | 1         | 3      | 5         | ... | 5   |           |  |  |
| North-East . . . . .                                  | 2           | ...       | 2      | 2         | 1         | 3      | 1         | 7         | 8      | 3         | 2         | 5      | 1         | ...       | 1      | 3         | ...       | 3      | 3         | ...       | 3      | ...       | ...       | 1      | ...        | 1         | 1      | ...       | 1         | 2      | ...       | 2         | 3      | 2         | 5   |     |           |  |  |
| East . . . . .                                        | ...         | 1         | 1      | 2         | 1         | 3      | 6         | 2         | 8      | 8         | 4         | 12     | 6         | 2         | 8      | 6         | 3         | 9      | 3         | 2         | 5      | 6         | 5         | 11     | 2          | 1         | 3      | 2         | 1         | 3      | ...       | 1         | 1      | 2         | 1   | 3   |           |  |  |
| South-East . . . . .                                  | 3           | 2         | 5      | 3         | ...       | 3      | 10        | 3         | 13     | 8         | 2         | 10     | 7         | 4         | 11     | 9         | 10        | 19     | 12        | 13        | 25     | 16        | 13        | 29     | 7          | 11        | 18     | 2         | 1         | 3      | 1         | ...       | 1      | ...       | ... |     |           |  |  |
| South . . . . .                                       | ...         | 1         | 1      | ...       | ...       | ...    | 1         | 2         | 3      | 1         | 2         | 3      | 3         | 5         | 8      | 5         | 8         | 13     | 6         | 6         | 12     | 4         | 9         | 13     | 4          | 9         | 13     | ...       | 1         | 1      | ...       | 1         | 1      | 1         | 1   | 2   |           |  |  |
| South-West . . . . .                                  | 1           | 1         | 2      | 1         | 2         | 3      | ...       | 3         | 3      | 1         | 3         | 4      | 1         | 6         | 7      | 1         | 1         | 2      | 2         | 3         | 5      | 1         | 3         | 4      | 1          | 3         | 4      | ...       | ...       | ...    | ...       | 1         | 1      | 1         | 1   | 2   |           |  |  |
| West . . . . .                                        | 2           | 3         | 5      | ...       | 2         | 2      | 1         | 2         | 3      | ...       | 2         | 2      | ...       | 2         | 2      | ...       | 2         | 2      | ...       | ...       | ...    | ...       | ...       | ...    | 1          | 1         | 1      | ...       | 1         | 1      | ...       | 1         | 1      | 1         | 1   | 2   |           |  |  |
| North-West . . . . .                                  | 8           | 12        | 20     | 6         | 8         | 14     | 6         | 4         | 10     | 3         | 5         | 8      | 4         | 5         | 9      | 1         | 1         | 2      | ...       | 1         | 1      | ...       | ...       | ...    | ...        | 1         | 1      | 1         | ...       | 1      | 1         | ...       | 1      | 1         | 1   | 2   |           |  |  |
| Calm . . . . .                                        | 12          | 9         | 21     | 9         | 13        | 22     | 4         | 6         | 10     | 2         | 8         | 10     | 4         | 3         | 7      | 5         | 5         | 10     | 4         | 5         | 9      | 4         | 1         | 5      | 14         | 5         | 19     | 18        | 28        | 46     | 21        | 25        | 46     | 13        | 21  | 34  |           |  |  |
| Variable . . . . .                                    | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |           |  |  |
| Resultant {                                           | Percentage  |           |        | 27        |           |        | 18        |           |        | 21        |           |        | 9         |           |        | 52        |           |        | 57        |           |        | 75        |           |        | 49         |           |        | 6         |           |        | 8         |           |        | 19        |     |     |           |  |  |
|                                                       | Direction . |           |        | N. 26° W. |           |        | N. 77° E. |           |        | N. 79° E. |           |        | S. 34° E. |           |        | S. 39° E. |           |        | S. 36° E. |           |        | S. 38° E. |           |        | S. 25° E.  |           |        | N. 30° E. |           |        | N. 16° W. |           |        | N. 16° W. |     |     |           |  |  |
| Mean diurnal velocity of wind in miles .              |             |           |        | 59.3      |           |        | 67.9      |           |        | 103.4     |           |        | 67.5      |           |        | 96.3      |           |        | 92.8      |           |        | 91.4      |           |        | 94.5       |           |        | 70.5      |           |        | 25.1      |           |        | 25.7      |     |     | 48.3      |  |  |
| Average Resultant {                                   | Percentage  |           |        | 36        |           |        | 26        |           |        | 18        |           |        | 17        |           |        | 46        |           |        | 56        |           |        | 54        |           |        | 41         |           |        | 11        |           |        | 16        |           |        | 22        |     |     |           |  |  |
|                                                       | Direction . |           |        | N. 12° W. |           |        | N. 17° E. |           |        | N. 67° E. |           |        | S. 84° E. |           |        | S. 61° E. |           |        | S. 31° E. |           |        | S. 45° E. |           |        | S. 50° E.  |           |        | S. 36° E. |           |        | S. 47° E. |           |        | N. 12° W. |     |     | N. 15° W. |  |  |
| 8-10 Years.                                           |             |           |        | 72.8      |           |        | 92.7      |           |        | 93.6      |           |        | 114.7     |           |        | 110.8     |           |        | 126.9     |           |        | 95.9      |           |        | 74.3       |           |        | 53.1      |           |        | 38.1      |           |        | 37.5      |     |     |           |  |  |
| Average diurnal velocity of wind in miles 7-10 Years. |             |           |        | 48.4      |           |        | 92.7      |           |        | 93.6      |           |        | 114.7     |           |        | 110.8     |           |        | 126.9     |           |        | 95.9      |           |        | 74.3       |           |        | 53.1      |           |        | 38.1      |           |        | 37.5      |     |     |           |  |  |

## 83.—HYDERABAD (2 observations daily).

|                                                       | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |   |           |  |  |
|-------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|---|-----------|--|--|
|                                                       | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |   |           |  |  |
| North . . . . .                                       | 16          | 22        | 38     | 15        | 14        | 29     | 8         | 10        | 18     | 2         | 2         | 4      | 2         | 1         | 3      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | 10        | 13     | 23        | 8         | 7      | 15        | 9         | 9      | 18        |     |   |           |  |  |
| North-East . . . . .                                  | 8           | 4         | 12     | 6         | 7         | 13     | 5         | 3         | 8      | 4         | 3         | 7      | 1         | 3         | 4      | ...       | ...       | ...    | ...       | 1         | 1      | ...       | ...       | ...    | ...        | 5         | 6      | 11        | 7         | 9      | 16        | 11        | 14     | 25        |     |   |           |  |  |
| East . . . . .                                        | ...         | ...       | ...    | 2         | 1         | 3      | 3         | 2         | 5      | ...       | 1         | 1      | ...       | 1         | 1      | ...       | 1         | 1      | 1         | 1         | 2      | ...       | ...       | ...    | ...        | 2         | 1      | 3         | 2         | 1      | 3         | 1         | 1      | 2         |     |   |           |  |  |
| South-East . . . . .                                  | ...         | ...       | ...    | ...       | 1         | 1      | 1         | ...       | 1      | 1         | ...       | 1      | ...       | ...       | ...    | 1         | ...       | 1      | 1         | 1         | 2      | ...       | ...       | ...    | ...        | 1         | 1      | ...       | 1         | 1      | 1         | 2         | 3      | 2         | 5   |   |           |  |  |
| South . . . . .                                       | 1           | 1         | 2      | ...       | 1         | 1      | 3         | 4         | 7      | 2         | 1         | 3      | 1         | ...       | 1      | 4         | 7         | 11     | 3         | 5         | 8      | 6         | 6         | 12     | 11         | 11        | 22     | 3         | 6         | 9      | 3         | 4         | 7      | 1         | 1   | 2 |           |  |  |
| South-West . . . . .                                  | 1           | 1         | 2      | ...       | 2         | 2      | 2         | 4         | 6      | 18        | 19        | 37     | 17        | 23        | 40     | 10        | 11        | 21     | 12        | 17        | 29     | 13        | 19        | 32     | 17         | 18        | 35     | 5         | 4         | 9      | 6         | 3         | 9      | 1         | 1   | 2 |           |  |  |
| West . . . . .                                        | ...         | ...       | ...    | 3         | 1         | 4      | 9         | 7         | 16     | 2         | 4         | 6      | 9         | 3         | 12     | 9         | 10        | 19     | 12        | 6         | 18     | 10        | 6         | 16     | 1          | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |   |           |  |  |
| North-West . . . . .                                  | 5           | 3         | 8      | 2         | 1         | 3      | ...       | 1         | 1      | 1         | ...       | 1      | 1         | ...       | 1      | 6         | 1         | 7      | ...       | ...       | ...    | 1         | ...       | 1      | ...        | ...       | 2      | ...       | 2         | 1      | ...       | 1         | ...    | ...       | ... |   |           |  |  |
| Calm . . . . .                                        | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 2         | ...       | 2      | 1         | ...       | 1      | 4          | ...       | 1      | 3         | 1         | 4      | ...       | ...       | ...    | ...       | ... |   |           |  |  |
| Variable . . . . .                                    | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |   |           |  |  |
| Resultant {                                           | Percentage  |           |        | 79        |           |        | 67        |           |        | 25        |           |        | 55        |           |        | 70        |           |        | 72        |           |        | 73        |           |        | 84         |           |        | 89        |           |        | 27        |           |        | 25        |     |   | 58        |  |  |
|                                                       | Direction . |           |        | N. 2° E.  |           |        | N. 8° E.  |           |        | N. 38° W. |           |        | S. 52° W. |           |        | S. 59° W. |           |        | S. 60° W. |           |        | S. 50° W. |           |        | S. 49° W.  |           |        | S. 28° W. |           |        | N. 13° E. |           |        | N. 35° E. |     |   | N. 37° E. |  |  |
| Mean diurnal velocity of wind in miles .              |             |           |        | 172.2     |           |        | 142.7     |           |        | 163.7     |           |        | 291.5     |           |        | 384.2     |           |        | 515.7     |           |        | 379.5     |           |        | 454.9      |           |        | 405.3     |           |        | 169.9     |           |        | 130.4     |     |   | 117.9     |  |  |
| Average Resultant {                                   | Percentage  |           |        | 53        |           |        | 42        |           |        | 45        |           |        | 59        |           |        | 71        |           |        | 78        |           |        | 75        |           |        | 81         |           |        | 75        |           |        | 42        |           |        | 44        |     |   | 64        |  |  |
|                                                       | Direction . |           |        | N. 15° W. |           |        | N. 31° W. |           |        | N. 87° W. |           |        | S. 53° W. |           |        | S. 47° W. |           |        | S. 39° W. |           |        | S. 41° W. |           |        | S. 43° W.  |           |        | S. 40° W. |           |        | S. 61° W. |           |        | N. 18° W. |     |   | N. 6° W.  |  |  |
| Average diurnal velocity of wind in miles 8-10 Years. |             |           |        | 171.4     |           |        | 170.7     |           |        | 201.2     |           |        | 249.6     |           |        | 291.7     |           |        | 363.8     |           |        | 333.2     |           |        | 330.4      |           |        | 292.1     |           |        | 187.6     |           |        | 156.6     |     |   | 164.3     |  |  |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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## 84.—KURRACHEE (2 observations daily).

|                                                        | JANUARY.  |            |           | FEBRUARY. |           |           | MARCH.    |           |           | APRIL.    |           |           | MAY.      |           |           | JUNE.     |           |           | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |    |
|--------------------------------------------------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|----|
|                                                        | 10 hours. | 16 hours.  | Total.    | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |    |
| North                                                  | 4         | ...        | 4         | 4         | ...       | 4         | 4         | ...       | 4         | 1         | ...       | 1         | 2         | ...       | 2         | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | 7      | 1         | 8         | 2      | ...       | 2         | 6      | 1         | 7   |    |
| North-East                                             | 12        | 6          | 18        | 8         | 5         | 13        | 4         | ...       | 4         | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | 6      | ...       | 6         | 10     | 1         | 11        | 11     | 3         | 14  |    |
| East                                                   | 6         | 9          | 15        | 8         | 5         | 13        | 1         | ...       | 1         | ...       | ...       | ...       | 1         | ...       | 1         | ...       | ...       | ...       | 1         | ...       | 1      | ...       | ...       | ...    | ...        | ...       | 2      | 1         | 3         | 6      | 2         | 8         | 8      | 3         | 11  |    |
| South-East                                             | 1         | 2          | 3         | ...       | 1         | 1         | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | 1         | ...       | 1         | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | 1      | ...       | 1         | 1      | 2         | 3   |    |
| South                                                  | 1         | ...        | 1         | ...       | 1         | 1         | 3         | ...       | 3         | ...       | ...       | ...       | 1         | 3         | 4         | 1         | 1         | 2         | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | 1      | ...       | 1         | 1      | 1         | 2         | ...    | 1         | 1   |    |
| South-West                                             | 1         | 7          | 8         | ...       | 6         | 6         | 3         | 11        | 14        | 7         | 10        | 17        | 10        | 14        | 24        | 12        | 15        | 27        | 7         | 13        | 20     | 5         | 12        | 17     | 7          | 14        | 21     | 5         | 10        | 15     | 1         | 12        | 13     | ...       | 12  | 12 |
| West                                                   | 3         | 6          | 9         | 4         | 7         | 11        | 12        | 19        | 31        | 19        | 20        | 39        | 13        | 13        | 26        | 17        | 14        | 31        | 21        | 16        | 37     | 25        | 19        | 44     | 21         | 16        | 37     | 7         | 17        | 24     | 7         | 14        | 21     | 2         | 9   | 11 |
| North-West                                             | 3         | 1          | 4         | 4         | 3         | 7         | 4         | 1         | 5         | 3         | ...       | 3         | 4         | 1         | 5         | ...       | ...       | ...       | 1         | 2         | 3      | 1         | ...       | 1      | 2          | ...       | 2      | 3         | 2         | 5      | 2         | ...       | 2      | 3         | ... | 3  |
| Calm                                                   | ...       | ...        | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |
| Variable                                               | ...       | ...        | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |
| Resultant.                                             | {         | Percentage | 26        | 22        |           | 66        | 90        |           | 77        | 91        |           | 86        | 93        |           | 92        | 50        |           | 25        | 12        |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |
|                                                        |           | Direction. | N. 49° E. | N. 13° E. |           | S. 86° W. | S. 81° W. |           | S. 71° W. | S. 67° W. |           | S. 76° W. | S. 79° W. |           | S. 76° W. | N. 82° W. |           | S. 87° W. | N. 11° E. |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |
| Mean diurnal velocity of wind in miles                 |           |            | 282.0     | 284.7     |           |           | 278.6     |           |           | 331.9     |           |           | 358.0     |           |           | 415.6     |           |           | 411.1     |           |        | 427.5     |           |        | 384.2      |           |        | 243.0     |           |        | 175.1     |           |        | 196.8     |     |    |
| Average Resultant                                      | {         | Percentage | 17        | 27        |           | 64        | 80        |           | 85        | 85        |           | 83        | 84        |           | 83        | 64        |           | 18        | 14        |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |
|                                                        |           | Direction. | N. 23° W. | N. 80° W. |           | S. 69° W. | S. 62° W. |           | S. 60° W. | S. 58° W. |           | S. 62° W. | S. 63° W. |           | S. 62° W. | S. 67° W. |           | S. 81° W. | N. 42° E. |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |
| Average diurnal velocity of wind in miles. 10 Years.   |           |            | 238.5     | 251.2     |           |           | 282.3     |           |           | 336.1     |           |           | 416.7     |           |           | 447.2     |           |           | 426.3     |           |        | 413.2     |           |        | 354.5      |           |        | 232.0     |           |        | 189.2     |           |        | 220.1     |     |    |
| Average diurnal velocity of wind in miles. 8-11 Years. |           |            | 238.5     | 251.2     |           |           | 282.3     |           |           | 336.1     |           |           | 416.7     |           |           | 447.2     |           |           | 426.3     |           |        | 413.2     |           |        | 354.5      |           |        | 232.0     |           |        | 189.2     |           |        | 220.1     |     |    |

## 85.—BHUJ (2 observations daily).

|                                                        | JANUARY.    |           |        | FEBRUARY. |           |           | MARCH.    |           |        | APRIL.    |           |           | MAY.      |           |        | JUNE.     |           |           | JULY.     |           |        | AUGUST.   |           |           | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |     |
|--------------------------------------------------------|-------------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|-----|
|                                                        | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |     |
| North . . . .                                          | 4           | 6         | 10     | 5         | 5         | 10        | 9         | 3         | 12     | ...       | 3         | 3         | 3         | 1         | 4      | ...       | 1         | 1         | ...       | ...       | ...    | 1         | ...       | 1         | 1          | 1         | 2      | 3         | 1         | 4      | 6         | 4         | 10     | 4         | 7   | 11  |     |
| North-East . . .                                       | 6           | 5         | 11     | 7         | 9         | 16        | 2         | 2         | 4      | 4         | ...       | 4         | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | 4         | 6         | 10     | 10        | 8         | 18     | 9         | 12  | 21  |     |
| East . . . .                                           | 5           | 2         | 7      | 8         | 4         | 12        | 1         | 1         | 2      | ...       | ...       | ...       | ...       | 1         | 1      | ...       | ...       | ...       | 2         | 1         | 3      | ...       | ...       | ...       | ...        | ...       | ...    | 7         | 7         | 14     | 5         | 6         | 11     | 12        | 7   | 19  |     |
| South-East . . .                                       | 2           | ...       | 2      | 1         | ...       | 1         | 1         | 1         | 2      | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | 1         | 1         | 2      | ...       | ...       | ...       | ...        | ...       | ...    | 3         | 3         | 6      | 5         | 1         | 6      | 3         | 2   | 5   |     |
| South . . . .                                          | 1           | ...       | 1      | ...       | 1         | 1         | 2         | 1         | 3      | ...       | ...       | ...       | ...       | 3         | 2      | 5         | 1         | 1         | 2         | ...       | ...    | ...       | ...       | 1         | 1          | ...       | ...    | ...       | 3         | 1      | 4         | 1         | ...    | 1         | ... | ... | ... |
| South-West . . .                                       | ...         | 1         | 1      | ...       | ...       | ...       | 1         | 6         | 7      | 1         | 1         | 2         | 10        | 10        | 20     | 8         | 11        | 19        | 12        | 8         | 20     | 10        | 9         | 19        | 10         | 7         | 17     | 1         | 5         | 6      | 1         | 4         | 5      | ...       | 2   | 2   |     |
| West . . . .                                           | 2           | 5         | 7      | 2         | 3         | 5         | 6         | 9         | 15     | 13        | 18        | 31        | 12        | 15        | 27     | 18        | 17        | 35        | 14        | 19        | 33     | 16        | 20        | 36        | 14         | 19        | 33     | 7         | 6         | 13     | 1         | 1         | 2      | 1         | ... | 1   |     |
| North-West . . .                                       | 5           | 6         | 11     | 5         | 6         | 11        | 9         | 8         | 17     | 12        | 8         | 20        | 3         | 2         | 5      | 3         | ...       | 3         | 2         | 2         | 4      | 4         | 1         | 5         | 5          | 3         | 8      | 3         | 2         | 5      | 1         | 5         | 6      | 2         | 1   | 3   |     |
| Calm . . . .                                           | ...         | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |     |
| Variable . . . .                                       | ...         | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |     |
| Resultant {                                            | Percentage  | 45        |        | 53        |           | 50        |           | 79        |        | 73        |           | 87        |           | 76        |        | 87        |           | 85        |           | 8         |        | 43        |           | 67        |            |           |        |           |           |        |           |           |        |           |     |     |     |
|                                                        | Direction . | N. 2° E.  |        | N. 22° E. |           | N. 56° W. |           | N. 67° W. |        | S. 75° W. |           | S. 76° W. |           | S. 74° W. |        | S. 79° W. |           | S. 85° W. |           | N. 65° E. |        | N. 45° E. |           | N. 57° E. |            |           |        |           |           |        |           |           |        |           |     |     |     |
| Mean diurnal velocity of wind in miles .               |             | 163.9     |        | 184.1     |           | 209.4     |           | 265.3     |        | 348.1     |           | 339.9     |           | 338.6     |        | 344.3     |           | 264.8     |           | 172.3     |        | 126.2     |           | 134.3     |            |           |        |           |           |        |           |           |        |           |     |     |     |
| Average Resultant {                                    | Percentage  | 52        |        | 46        |           | 51        |           | 69        |        | 80        |           | 79        |           | 83        |        | 87        |           | 73        |           | 21        |        | 58        |           | 64        |            |           |        |           |           |        |           |           |        |           |     |     |     |
|                                                        | Direction . | N. 23° E. |        | N. 7° E.  |           | N. 45° W. |           | N. 71° W. |        | S. 89° W. |           | S. 72° W. |           | S. 80° W. |        | S. 82° W. |           | N. 89° W. |           | N. 30° W. |        | N. 43° E. |           | N. 40° E. |            |           |        |           |           |        |           |           |        |           |     |     |     |
| Average diurnal velocity of wind in miles. 9-10 Years. |             | 140.7     |        | 161.0     |           | 195.1     |           | 262.2     |        | 363.5     |           | 388.5     |           | 398.5     |        | 359.4     |           | 267.6     |           | 144.0     |        | 111.4     |           | 121.9     |            |           |        |           |           |        |           |           |        |           |     |     |     |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

86.—RAJKOT (2 observations daily).

|                                                      | JANUARY.  |           |        | FEBRUARY.  |           |        | MARCH.    |           |        | APRIL.        |           |        | MAY.      |           |        | JUNE.     |           |        |
|------------------------------------------------------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|---------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|
|                                                      | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.     | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |
| North . . . . .                                      | 8         | 4         | 12     | Imperfect. |           |        |           |           |        | Not recorded. |           |        | 4         | 4         | 8      | 1         | 1         | 2      |
| North-East . . . . .                                 | 4         | 11        | 15     |            |           |        |           |           |        |               |           |        | 1         | 1         | 2      | 1         | ...       | 1      |
| East . . . . .                                       | 6         | 1         | 7      |            |           |        |           |           |        |               |           |        | ...       | 1         | 1      | ...       | ...       | ...    |
| South-East . . . . .                                 | 2         | 2         | 4      |            |           |        |           |           |        |               |           |        | ...       | 1         | 1      | ...       | 1         | 1      |
| South . . . . .                                      | ...       | 2         | 2      |            |           |        |           |           |        |               |           |        | 6         | 3         | 9      | ...       | 1         | 1      |
| South-West . . . . .                                 | 1         | 1         | 2      |            |           |        |           |           |        |               |           |        | 8         | 5         | 13     | 15        | 12        | 27     |
| West . . . . .                                       | 3         | 3         | 6      |            |           |        |           |           |        |               |           |        | 8         | 11        | 19     | 11        | 11        | 22     |
| North-West . . . . .                                 | 7         | 7         | 14     |            |           |        |           |           |        |               |           |        | 3         | 5         | 8      | 2         | 4         | 6      |
| Calm . . . . .                                       | ...       | ...       | ...    |            |           |        |           |           |        |               |           |        | ...       | ...       | ...    | ...       | ...       | ...    |
| Variable . . . . .                                   | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    |               |           |        |           |           |        |           |           |        |
| Resultant. { Percentage . . .                        | 43        |           |        |            |           |        |           |           |        |               |           |        | 51        |           |        | 77        |           |        |
| Resultant. { Direction . . .                         | N. 7° E.  |           |        | P          |           |        | P         |           |        | P             |           |        | S. 83° W. |           |        | S. 73° W. |           |        |
| Mean diurnal velocity of wind in miles . . . . .     | 131°0     |           |        | P          |           |        | P         |           |        | P             |           |        | 298°2     |           |        | 222°8     |           |        |
| Average Resultant. { Percentage . . .                | 56        |           |        | 47         |           |        | 58        |           |        | 69            |           |        | 78        |           |        | 71        |           |        |
| Average Resultant. { Direction . . .                 | N. 20° E. |           |        | N. 4° W.   |           |        | N. 41° W. |           |        | N. 53° W.     |           |        | N. 82° W. |           |        | S. 73° W. |           |        |
| Average diurnal velocity of wind in miles 6-8 Years. | 124°7     |           |        | 150°5      |           |        | 202°2     |           |        | 266°7         |           |        | 350°2     |           |        | 374°6     |           |        |

|                                                      | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DÉCEMBER. |           |        |
|------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|
|                                                      | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |
| North . . . . .                                      | 1         | 2         | 3      | 7         | 11        | 18     | 4          | ...       | 4      | 5         | 5         | 10     | 3         | 2         | 5      | 3         | 3         | 6      |
| North-East . . . . .                                 | 2         | 1         | 3      | 5         | 5         | 10     | 5          | 6         | 11     | 2         | 1         | 3      | 2         | 1         | 3      | 5         | 3         | 8      |
| East . . . . .                                       | 2         | 2         | 4      | 3         | 1         | 4      | 12         | 20        | 32     | 8         | 7         | 15     | ...       | 1         | 1      | 3         | 4         | 7      |
| South-East . . . . .                                 | ...       | ...       | ...    | 2         | 3         | 5      | 2          | 1         | 3      | 1         | 4         | 5      | 1         | 2         | 3      | ...       | 1         | 1      |
| South . . . . .                                      | 1         | 1         | 2      | 1         | 3         | 4      | ...        | 1         | 1      | 2         | 2         | 4      | 3         | 2         | 5      | 8         | 3         | 11     |
| South-West . . . . .                                 | 11        | 10        | 21     | 4         | 1         | 5      | ...        | 1         | 1      | 2         | ...       | 2      | 9         | 9         | 18     | 4         | 6         | 10     |
| West . . . . .                                       | 14        | 13        | 27     | 2         | 1         | 3      | 4          | ...       | 4      | 9         | 10        | 19     | 7         | 9         | 16     | 6         | 7         | 13     |
| North-West . . . . .                                 | ...       | 2         | 2      | 7         | 6         | 13     | 3          | 1         | 4      | 2         | 2         | 4      | 5         | 4         | 9      | 2         | 4         | 6      |
| Calm . . . . .                                       | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |
| Variable . . . . .                                   | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |
| Resultant. { Percentage . . .                        | 62        |           |        | 37        |           |        | 60         |           |        | 11        |           |        | 51        |           |        | 18        |           |        |
| Resultant. { Direction . . .                         | S. 74° W. |           |        | N. 3° W.  |           |        | N. 73° E.  |           |        | N. 23° W. |           |        | S. 78° W. |           |        | S. 75° W. |           |        |
| Mean diurnal velocity of wind in miles . . . . .     | 162°9     |           |        | 110°6     |           |        | 66°5       |           |        | 143°2     |           |        | 121°4     |           |        | 115°9     |           |        |
| Average Resultant. { Percentage . . .                | 77        |           |        | 73        |           |        | 53         |           |        | 35        |           |        | 50        |           |        | 58        |           |        |
| Average Resultant. { Direction . . .                 | S. 75° W. |           |        | S. 82° W. |           |        | N. 76° W.  |           |        | N. 9° E.  |           |        | N. 45° E. |           |        | N. 43° E. |           |        |
| Average diurnal velocity of wind in miles 8-9 Years. | 348°0     |           |        | 273°0     |           |        | 198°6      |           |        | 133°9     |           |        | 116°1     |           |        | 109°8     |           |        |



TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1836.

## 88.—SURAT (2 observations daily.)

|                                                       | JANUARY.      |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |   |
|-------------------------------------------------------|---------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|---|
|                                                       | 10 hours.     | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |   |
| North . . . .                                         | 3             | 2         | 5      | 2         | 2         | 4      | 6         | 1         | 7      | 7         | 2         | 9      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | 5      | 2          | 7         | 7      | 3         | 10        | 3      | 2         | 5         | 4      | 1         | 5   |   |
| North-East . .                                        | 10            | 11        | 21     | 14        | 10        | 24     | 7         | 3         | 10     | 10        | 5         | 15     | 1         | 2         | 3      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | 7      | 5          | 12        | 6      | 4         | 10        | 7      | 9         | 16        | 13     | 11        | 24  |   |
| East . . . .                                          | 13            | 1         | 14     | 9         | 3         | 12     | 5         | ...       | 5      | 2         | 1         | 3      | 2         | ...       | 2      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | 1         | ...    | 1          | 4         | 3      | 7         | 11        | 5      | 16        | 10        | 6      | 16        |     |   |
| South-East . .                                        | 1             | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | 1         | 1      | 2         | 4         | 2      | 6         | 4         | 1      | 5         |     |   |
| South . . . .                                         | 1             | ...       | 1      | 1         | ...       | 1      | 1         | 1         | 2      | ...       | 1         | 1      | 2         | ...       | 2      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...        | 1         | ...    | 1         | ...       | ...    | ...       | ...       | ...    | ...       |     |   |
| South-West . .                                        | 1             | 6         | 7      | ...       | 1         | 1      | 3         | 7         | 10     | 4         | 8         | 12     | 14        | 22        | 36     | 10        | 21        | 31     | 14        | 22        | 36     | 9         | 21        | 30     | 5          | 14        | 19     | 7         | 8         | 15     | 2         | 3         | 5      | ...       | 1   | 1 |
| West . . . .                                          | 1             | 6         | 7      | 1         | 4         | 5      | 5         | 6         | 11     | 3         | 8         | 11     | 8         | 7         | 15     | 12        | 9         | 21     | 15        | 9         | 24     | 19        | 9         | 28     | 7          | 2         | 9      | 2         | 5         | 7      | 2         | 4         | 6      | ...       | 6   | 6 |
| North-West . .                                        | 1             | 5         | 6      | 1         | 8         | 9      | 4         | 13        | 17     | 3         | 5         | 8      | 3         | ..        | 3      | 5         | ...       | 5      | 1         | ...       | 1      | 3         | 1         | 5      | 5          | 7         | 12     | 3         | 7         | 10     | 1         | 5         | 6      | ...       | 5   | 5 |
| Calm . . . .                                          | ...           | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 2         | ...       | 2      | 1         | ...       | 1      | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |   |
| Variable . . .                                        | ...           | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |   |
| Resultant {                                           | 35            |           |        | 55        |           |        | 40        |           |        | 31        |           |        | 72        |           |        | 84        |           |        | 90        |           |        | 89        |           |        | 40         |           |        | 23        |           |        | 36        |           |        | 55        |     |   |
|                                                       | N. 37° E.     |           |        | N. 33° E. |           |        | N. 47° W. |           |        | N. 36° W. |           |        | S. 60° W. |           |        | S. 67° W. |           |        | S. 64° W. |           |        | S. 71° W. |           |        | N. 64° W.  |           |        | N. 40° W. |           |        | N. 54° E. |           |        | N. 51° E. |     |   |
| Mean diurnal velocity of wind in miles.               | Not recorded. |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |   |
| Average Resultant. {                                  | 34            |           |        | 30        |           |        | 42        |           |        | 44        |           |        | 70        |           |        | 79        |           |        | 83        |           |        | 83        |           |        | 60         |           |        | 19        |           |        | 37        |           |        | 47        |     |   |
|                                                       | N. 20° E.     |           |        | N. 10° W. |           |        | N. 43° W. |           |        | N. 68° W. |           |        | S. 60° W. |           |        | S. 48° W. |           |        | S. 53° W. |           |        | S. 62° W. |           |        | S. 73° W.  |           |        | N. 14° E. |           |        | N. 49° E. |           |        | N. 51° E. |     |   |
| Average diurnal velocity of wind in miles. 4-7 Years. | 125'4         |           |        | 128'8     |           |        | 155'3     |           |        | 191'8     |           |        | 303'9     |           |        | 373'1     |           |        | 376'3     |           |        | 325'3     |           |        | 220'6      |           |        | 123'5     |           |        | 142'3     |           |        | 119'7     |     |   |

## 89 —MALEGAON (2 observations daily).

|                                                        | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |      |    |           |  |  |
|--------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|------|----|-----------|--|--|
|                                                        | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |      |    |           |  |  |
| North . . . .                                          | 3           | 5         | 8      | 3         | 5         | 8      | 5         | 4         | 9      | 9         | 8         | 17     | 9         | 8         | 17     | 3         | 4         | 7      | 1         | 2         | 3      | 4         | 1         | 5      | 5          | 9         | 14     | 6         | 13        | 19     | 4         | 6         | 10     | 3         | 8    | 11 |           |  |  |
| North-East . . . .                                     | 4           | 5         | 9      | 12        | 6         | 18     | 10        | 3         | 13     | 8         | 2         | 10     | 2         | 1         | 3      | 1         | ...       | 1      | ...       | ...       | ...    | 1         | 2         | 3      | 7          | 4         | 11     | 9         | 4         | 13     | 12        | 14        | 26     | 7         | 8    | 15 |           |  |  |
| East . . . .                                           | 3           | 2         | 5      | 4         | 1         | 5      | 2         | 1         | 3      | 1         | 1         | 2      | 1         | 3         | 4      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | 8      | 1         | 9         | 9      | 5         | 14        | 11     | 9         | 20   |    |           |  |  |
| South-East . . . .                                     | 4           | 6         | 10     | 2         | 3         | 5      | 1         | 1         | 2      | ...       | ...       | ...    | 1         | 1         | 2      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | 1      | 1         | 2         | 2      | 1         | 3         | 6      | 1         | 7    |    |           |  |  |
| South . . . .                                          | 6           | 3         | 9      | 1         | 2         | 3      | 1         | 1         | 2      | 1         | ...       | 1      | 3         | ...       | 3      | 1         | 3         | 4      | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | 2         | 2         | 1      | ...       | 1         | 2      | 3         | 5    |    |           |  |  |
| South-West . . . .                                     | 1           | 2         | 3      | ...       | 2         | 2      | 1         | 3         | 4      | ...       | ...       | ...    | ...       | 1         | 1      | 5         | 3         | 8      | 4         | 3         | 7      | 1         | 1         | 2      | ...        | 1         | 1      | ...       | ...       | 1      | 1         | 2         | ...    | 2         |      |    |           |  |  |
| West . . . .                                           | ...         | 3         | 3      | ...       | 4         | 4      | 5         | 9         | 14     | 2         | 8         | 10     | 6         | 9         | 15     | 14        | 13        | 27     | 23        | 24        | 47     | 21        | 22        | 43     | 11         | 8         | 19     | 2         | 2         | 4      | ...       | 1         | 1      | ...       | 1    | 1  |           |  |  |
| North-West . . . .                                     | 6           | 3         | 9      | 4         | 2         | 6      | 4         | 7         | 11     | 9         | 10        | 19     | 8         | 8         | 16     | 4         | 7         | 11     | 2         | 2         | 4      | 4         | 5         | 9      | 6          | 8         | 14     | 2         | 2         | 4      | ...       | 1         | 1      | ...       | 1    | 1  |           |  |  |
| Calm . . . .                                           | 4           | 2         | 6      | 2         | 3         | 5      | 2         | 2         | 4      | ...       | 1         | 1      | 1         | ...       | 1      | 2         | ...       | 2      | 1         | ...       | 1      | ...       | ...       | 1      | ...        | 1         | 3      | 6         | 9         | 1      | 1         | 2         | ...    | ...       | ...  |    |           |  |  |
| Variable . . . .                                       | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...  |    |           |  |  |
| Resultant {                                            | Percentage  |           |        | 12        |           |        | 37        |           |        | 36        |           |        | 65        |           |        | 52        |           |        | 67        |           |        | 88        |           |        | 81         |           |        | 63        |           |        | 49        |           |        | 66        |      |    | 55        |  |  |
|                                                        | Direction . |           |        | N. 70° E. |           |        | N. 34° E. |           |        | N. 29° W. |           |        | N. 21° W. |           |        | N. 38° W. |           |        | N. 82° W. |           |        | N. 89° W. |           |        | N. 76° W.  |           |        | N. 35° W. |           |        | N. 25° E. |           |        | N. 52° E. |      |    | N. 71° E. |  |  |
| Mean diurnal velocity of wind in miles.                |             | 89'6      |        |           | 94'2      |        |           | 150'5     |        |           | 190'3     |        |           | 216'8     |        |           | 228'4     |        |           | 251'5     |        |           | 223'8     |        |            | 162'3     |        |           | 99'3      |        |           | 97'5      |        |           | 91'4 |    |           |  |  |
| Average Resultant {                                    | Percentage  |           |        | 13        |           |        | 17        |           |        | 33        |           |        | 49        |           |        | 65        |           |        | 66        |           |        | 80        |           |        | 63         |           |        | 49        |           |        | 38        |           |        | 47        |      |    | 39        |  |  |
|                                                        | Direction . |           |        | N. 75° E. |           |        | N. 6° E.  |           |        | N. 10° W. |           |        | N. 23° W. |           |        | N. 44° W. |           |        | N. 82° W. |           |        | W.        |           |        | N. 82° W.  |           |        | N. 57° W. |           |        | N. 44° E. |           |        | N. 67° E. |      |    | N. 83° E. |  |  |
| Average diurnal velocity of wind in miles. 8-10 Years. |             | 90'0      |        |           | 118'6     |        |           | 152'7     |        |           | 185'6     |        |           | 246'5     |        |           | 292'5     |        |           | 283'3     |        |           | 242'3     |        |            | 182'2     |        |           | 108'7     |        |           | 97'9      |        |           | 83'6 |    |           |  |  |



TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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90.—BOMBAY (4 observations daily).

|                                                           | JANUARY.        |           |           |           |        | FEBRUARY.      |           |           |           |        | MARCH.          |           |           |           |        | APRIL.          |           |           |           |        | MAY.            |           |           |           |        | JUNE.           |           |           |           |        |
|-----------------------------------------------------------|-----------------|-----------|-----------|-----------|--------|----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|
|                                                           | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.       | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                           | 6               | 5         | 6         | 20        | 37     | 11             | 7         | 5         | 19        | 42     | 10              | 4         | 2         | 7         | 23     | 9               | 2         | 1         | 9         | 21     | 5               | 2         | ...       | 1         | 8      | 1               | 1         | ...       | 1         | 3      |
| North-East . . . . .                                      | 14              | 11        | 1         | 1         | 27     | 9              | 12        | ...       | 2         | 23     | 9               | 7         | ...       | 1         | 17     | 8               | 2         | ...       | 1         | 11     | 2               | ...       | 1         | 1         | 1      | 1               | ...       | ...       | ...       | 1      |
| East . . . . .                                            | 7               | 10        | ...       | ...       | 17     | 4              | 7         | ...       | ...       | 11     | 2               | 8         | ...       | 1         | 11     | 1               | 3         | ...       | ...       | 4      | 1               | ...       | ...       | ...       | 2      | ...             | 1         | 1         | 2         | 4      |
| South-East . . . . .                                      | 4               | 4         | ...       | ...       | 8      | 3              | 1         | ...       | ...       | 4      | 3               | 3         | ...       | 1         | 7      | 3               | 2         | ...       | ...       | 5      | 1               | 1         | ...       | ...       | 9      | 2               | 1         | ...       | ...       | 3      |
| South . . . . .                                           | ...             | ...       | ...       | ...       | ...    | ...            | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | 2               | 5         | ...       | 3         | 10     | 4               | 8         | 2         | 5         | 1      | 1               | 3         | 1         | 1         | 6      |
| South-West . . . . .                                      | ...             | ...       | ...       | 1         | 1      | ...            | ...       | ...       | ...       | ...    | 1               | 1         | ...       | 1         | 3      | 3               | 2         | ...       | 3         | 8      | 7               | 7         | 5         | 5         | 24     | 9               | 8         | 6         | 8         | 31     |
| West . . . . .                                            | ...             | ...       | 9         | ...       | 9      | ...            | ...       | 4         | ...       | 4      | 2               | ...       | 9         | 5         | 16     | 1               | 3         | 11        | 3         | 18     | 5               | 7         | 14        | 10        | 36     | 11              | 10        | 16        | 13        | 50     |
| North-West . . . . .                                      | ...             | 1         | 15        | 9         | 25     | 1              | 1         | 19        | 7         | 28     | 4               | 8         | 20        | 15        | 47     | 3               | 11        | 18        | 11        | 43     | 6               | 6         | 9         | 9         | 30     | 5               | 6         | 6         | 5         | 22     |
| Calm . . . . .                                            | ...             | ...       | ...       | ...       | ...    | ...            | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Variable . . . . .                                        | ...             | ...       | ...       | ...       | ...    | ...            | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Resultant { Percentage<br>Direction .                     | 56<br>N. 12° E. |           |           |           |        | 67<br>N. 5° E. |           |           |           |        | 53<br>N. 21° W. |           |           |           |        | 46<br>N. 44° W. |           |           |           |        | 56<br>S. 86° W. |           |           |           |        | 68<br>S. 82° W. |           |           |           |        |
| Mean diurnal velocity of<br>wind in miles . . . . .       | 255.7           |           |           |           |        | 261.0          |           |           |           |        | 262.3           |           |           |           |        | 251.8           |           |           |           |        | 280.0           |           |           |           |        | 306.6           |           |           |           |        |
| Average Resultant { Percentage<br>Direction .             | 63<br>N. 6° E.  |           |           |           |        | 60<br>N. 4° W. |           |           |           |        | 55<br>N. 28° W. |           |           |           |        | 55<br>N. 52° W. |           |           |           |        | 67<br>N. 82° W. |           |           |           |        | 66<br>S. 63° W. |           |           |           |        |
| Average diurnal velocity<br>of wind in miles<br>17 Years. | 243.6           |           |           |           |        | 257.2          |           |           |           |        | 275.2           |           |           |           |        | 271.6           |           |           |           |        | 247.6           |           |           |           |        | 391.7           |           |           |           |        |

|                                                           | JULY.           |           |           |           |        | AUGUST.         |           |           |           |        | SEPTEMBER.      |           |           |           |        | OCTOBER.        |           |           |           |        | NOVEMBER.       |           |           |           |        | DECEMBER.       |           |           |           |        |
|-----------------------------------------------------------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|
|                                                           | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 6 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                           | ...             | ...       | ...       | ...       | ...    | ...             | 1         | ...       | 2         | 3      | 6               | 4         | 2         | 2         | 14     | 7               | 2         | 3         | 4         | 16     | 5               | 1         | 2         | 18        | 26     | 7               | ...       | 3         | 22        | 32     |
| North-East . . . . .                                      | ...             | ...       | ...       | ...       | ...    | 1               | ...       | ...       | 2         | 3      | 2               | ...       | ...       | ...       | 2      | 5               | 8         | ...       | 2         | 15     | 13              | 14        | 2         | 4         | 33     | 17              | 15        | 1         | 3         | 36     |
| East . . . . .                                            | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | 2               | 2         | ...       | 1         | 5      | 3               | 6         | ...       | 3         | 12     | 8               | 12        | ...       | 1         | 21     | 6               | 16        | ...       | ...       | 22     |
| South-East . . . . .                                      | ...             | ...       | ...       | ...       | ...    | ...             | 1         | 1         | ...       | 2      | 5               | 4         | ...       | 1         | 10     | 7               | 5         | 2         | 8         | 22     | 1               | 2         | ...       | ...       | 3      | 1               | ...       | ...       | 1         | 2      |
| South . . . . .                                           | ...             | ...       | ...       | ...       | ...    | 1               | 1         | ...       | 1         | 3      | 2               | 5         | ...       | 2         | 9      | 5               | 9         | 8         | 4         | 26     | 1               | ...       | ...       | 1         | 2      | ...             | ...       | ...       | ...       | ...    |
| South-West . . . . .                                      | 5               | 5         | 5         | 7         | 22     | 3               | 3         | 1         | 2         | 9      | 2               | 1         | 3         | 2         | 8      | 3               | 1         | 3         | 3         | 10     | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| West . . . . .                                            | 25              | 25        | 24        | 22        | 96     | 23              | 20        | 20        | 21        | 84     | 6               | 6         | 12        | 12        | 36     | ...             | ...       | 4         | 1         | 5      | ...             | ...       | 6         | 1         | 7      | ...             | ...       | 4         | ...       | 4      |
| North-West . . . . .                                      | 1               | 1         | 2         | 2         | 6      | 3               | 5         | 9         | 3         | 20     | 5               | 8         | 13        | 10        | 36     | 1               | ...       | 11        | 6         | 18     | 2               | 1         | 20        | 5         | 28     | ...             | ...       | 23        | 5         | 28     |
| Calm . . . . .                                            | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Variable . . . . .                                        | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Resultant { Percentage<br>Direction .                     | 94<br>S. 84° W. |           |           |           |        | 82<br>N. 85° W. |           |           |           |        | 47<br>N. 70° W. |           |           |           |        | 13<br>S. 55° E. |           |           |           |        | 57<br>N. 17° E. |           |           |           |        | 64<br>N. 18° E. |           |           |           |        |
| Mean diurnal velocity of<br>wind in miles . . . . .       | 405.9           |           |           |           |        | 338.0           |           |           |           |        | 238.8           |           |           |           |        | 287.1           |           |           |           |        | 241.6           |           |           |           |        | 233.9           |           |           |           |        |
| Average Resultant { Percentage<br>Direction .             | 84<br>S. 75° W. |           |           |           |        | 81<br>S. 81° W. |           |           |           |        | 55<br>S. 89° W. |           |           |           |        | 38<br>N. 15° E. |           |           |           |        | 59<br>N. 17° E. |           |           |           |        | 63<br>N. 17° E. |           |           |           |        |
| Average diurnal velocity<br>of wind in miles<br>17 Years. | 455.4           |           |           |           |        | 380.2           |           |           |           |        | 281.9           |           |           |           |        | 234.9           |           |           |           |        | 238.2           |           |           |           |        | 238.3           |           |           |           |        |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

91.—POONA (4 observations daily.)

|                                                     | JANUARY.  |           |           |           |        | FEBRUARY. |           |           |           |        | MARCH.    |           |           |           |        | APRIL.    |           |           |           |        | MAY.      |           |           |           |        | JUNE.     |           |           |           |        |
|-----------------------------------------------------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|
|                                                     | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                     | 3         | 1         | ...       | 2         | 6      | ...       | 2         | ...       | ...       | 2      | 2         | 1         | ...       | ...       | 3      | ...       | 2         | 1         | ...       | 3      | ...       | 1         | ...       | ...       | 1      | ...       | ...       | ...       | ...       | ...    |
| North-East . . . . .                                | 8         | 13        | 10        | 10        | 41     | 4         | 3         | 2         | ...       | 9      | 2         | 3         | 1         | ...       | 6      | ...       | 1         | 4         | ...       | 5      | ...       | 1         | 1         | ...       | 2      | ...       | ...       | ...       | ...       | ...    |
| East . . . . .                                      | ...       | 2         | 4         | 1         | 7      | ...       | 10        | 2         | ...       | 12     | 1         | 7         | 1         | ...       | 9      | ...       | 3         | 1         | ...       | 4      | ...       | 3         | 3         | 1         | 7      | ...       | ...       | ...       | ...       | ...    |
| South East . . . . .                                | ...       | 1         | 2         | ...       | 3      | 1         | 4         | 5         | ...       | 10     | ...       | 1         | 3         | ...       | 4      | ...       | 2         | 1         | 1         | 4      | 1         | 1         | ...       | ...       | 2      | ...       | ...       | 1         | ...       | 1      |
| South . . . . .                                     | ...       | ...       | 1         | 1         | 2      | 1         | 1         | 3         | ...       | 5      | ...       | 1         | 3         | ...       | 4      | 1         | 1         | 1         | 1         | 4      | 1         | 1         | 1         | 1         | 4      | ...       | ...       | ...       | 1         | 1      |
| South-West . . . . .                                | 4         | 5         | 7         | 5         | 21     | 2         | 2         | 5         | 2         | 11     | 3         | 2         | 4         | 3         | 12     | 3         | 1         | 2         | 3         | 9      | 10        | 6         | 8         | 11        | 35     | 9         | 9         | 10        | 9         | 37     |
| West . . . . .                                      | 8         | 5         | 4         | 8         | 25     | 12        | 4         | 6         | 15        | 37     | 13        | 11        | 11        | 18        | 53     | 17        | 9         | 7         | 16        | 49     | 15        | 12        | 15        | 14        | 56     | 19        | 17        | 18        | 18        | 72     |
| North-West . . . . .                                | ...       | 1         | 3         | 3         | 7      | 6         | 2         | 5         | 10        | 23     | 8         | 3         | 6         | 8         | 25     | 9         | 11        | 13        | 9         | 42     | 4         | 6         | 3         | 4         | 17     | 2         | 4         | 1         | 2         | 9      |
| Calm . . . . .                                      | 8         | 3         | ...       | 1         | 12     | 2         | ...       | ...       | 1         | 3      | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    |
| Variable . . . . .                                  | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    |
| Resultant { Percentage .                            | 18        |           |           |           |        | 32        |           |           |           |        | 55        |           |           |           |        | 65        |           |           |           |        | 68        |           |           |           |        | 88        |           |           |           |        |
| Direction . . . . .                                 | N. 18° W. |           |           |           |        | N. 82° W. |           |           |           |        | N. 81° W. |           |           |           |        | N. 73° W. |           |           |           |        | S. 79° W. |           |           |           |        | S. 78° W. |           |           |           |        |
| Mean diurnal velocity of wind in miles . . . . .    | 149'7     |           |           |           |        | 120'6     |           |           |           |        | 202'0     |           |           |           |        | 228'0     |           |           |           |        | 307'6     |           |           |           |        | 350'5     |           |           |           |        |
| Average Resultant { Percentage .                    | 24        |           |           |           |        | 21        |           |           |           |        | 42        |           |           |           |        | 49        |           |           |           |        | 66        |           |           |           |        | 73        |           |           |           |        |
| Direction . . . . .                                 | S. 63° E. |           |           |           |        | N. 28° W. |           |           |           |        | N. 41° W. |           |           |           |        | N. 35° W. |           |           |           |        | N. 55° W. |           |           |           |        | S. 79° W. |           |           |           |        |
| Average diurnal velocity of wind in miles . . . . . | 134'3     |           |           |           |        | 152'8     |           |           |           |        | 195'3     |           |           |           |        | 236'9     |           |           |           |        | 333'3     |           |           |           |        | 392'6     |           |           |           |        |

|                                                     | JULY.     |           |           |           |        | AUGUST.   |           |           |           |        | SEPTEMBER. |           |           |           |        | OCTOBER.  |           |           |           |        | NOVEMBER. |           |           |           |        | DECEMBER. |           |           |           |        |
|-----------------------------------------------------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|------------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|
|                                                     | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.   | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                     | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...        | ...       | 2         | ...       | 2      | 1         | 2         | 2         | 1         | 6      | 2         | ...       | 2         | 2         | 6      | 1         | 2         | 5         | 2         | 10     |
| North-East . . . . .                                | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...        | ...       | ...       | ...       | ...    | 1         | 7         | 5         | 1         | 14     | 8         | 9         | 15        | 12        | 44     | 13        | 14        | 10        | 17        | 54     |
| East . . . . .                                      | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...        | ...       | ...       | ...       | ...    | 2         | 4         | 4         | 1         | 11     | 6         | 11        | 10        | 5         | 32     | 3         | 8         | 8         | 3         | 22     |
| South-East . . . . .                                | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...        | 1         | 1         | ...       | 2      | 2         | 2         | 1         | ...       | 5      | 1         | ...       | 1         | ...       | 2      | ...       | 4         | 4         | ...       | 8      |
| South . . . . .                                     | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...        | ...       | ...       | ...       | ...    | 1         | 1         | 1         | 1         | 4      | ...       | 1         | ...       | ...       | 1      | ...       | ...       | 1         | ...       | 1      |
| South-West . . . . .                                | 6         | 5         | 7         | 6         | 24     | 12        | 8         | 5         | 11        | 36     | 12         | 7         | 7         | 11        | 37     | 5         | 5         | 12        | 10        | 32     | ...       | 1         | 2         | ...       | 3      | ...       | ...       | 2         | ...       | 2      |
| West . . . . .                                      | 24        | 24        | 23        | 24        | 95     | 15        | 20        | 23        | 16        | 74     | 17         | 17        | 18        | 18        | 70     | 8         | 6         | 3         | 13        | 30     | 5         | 4         | ...       | 5         | 14     | 4         | ...       | ...       | 2         | 6      |
| North-West . . . . .                                | ...       | 1         | ...       | ...       | 1      | 4         | 3         | 3         | 4         | 14     | 1          | 5         | 2         | 1         | 9      | 2         | 1         | 2         | 1         | 6      | 5         | 4         | ...       | 6         | 15     | 2         | 3         | 1         | 4         | 10     |
| Calm . . . . .                                      | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...        | ...       | ...       | ...       | ...    | 6         | ...       | ...       | ...       | 6      | 3         | ...       | ...       | ...       | 2      | 8         | ...       | ...       | 3         | 11     |
| Variable . . . . .                                  | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...        | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    |
| Resultant { Percentage .                            | 95        |           |           |           |        | 89        |           |           |           |        | 86         |           |           |           |        | 30        |           |           |           |        | 48        |           |           |           |        | 56        |           |           |           |        |
| Direction . . . . .                                 | S. 82° W. |           |           |           |        | S. 82° W. |           |           |           |        | S. 79° W.  |           |           |           |        | S. 73° W. |           |           |           |        | N. 41° E. |           |           |           |        | N. 47° E. |           |           |           |        |
| Mean diurnal velocity of wind in miles . . . . .    | 357'5     |           |           |           |        | 329'7     |           |           |           |        | 221'3      |           |           |           |        | 145'0     |           |           |           |        | 146'1     |           |           |           |        | 111'5     |           |           |           |        |
| Average Resultant { Percentage .                    | 85        |           |           |           |        | 82        |           |           |           |        | 70         |           |           |           |        | 17        |           |           |           |        | 45        |           |           |           |        | 56        |           |           |           |        |
| Direction . . . . .                                 | S. 79° W. |           |           |           |        | S. 84° W. |           |           |           |        | N. 89° W.  |           |           |           |        | N. 38° E. |           |           |           |        | S. 83° E. |           |           |           |        | S. 78° E. |           |           |           |        |
| Average diurnal velocity of wind in miles . . . . . | 397'5     |           |           |           |        | 340'3     |           |           |           |        | 274'1      |           |           |           |        | 138'4     |           |           |           |        | 138'7     |           |           |           |        | 135'0     |           |           |           |        |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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92.—SHOLAPUR (2 observations daily).

|                                                                   | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        |  |
|-------------------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|--|
|                                                                   | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |  |
| North . . . . .                                                   | ...       | ...       | ...    | 2         | 2         | 4      | 1         | ...       | 1      | 2         | 1         | 3      | 1         | ...       | 1      | ...       | 1         | 1      |  |
| North-East . . . . .                                              | 3         | 6         | 9      | 2         | 1         | 3      | 4         | 3         | 7      | 13        | 2         | 15     | 5         | 3         | 8      | ...       | 4         | 4      |  |
| East . . . . .                                                    | 9         | 4         | 13     | 1         | 5         | 6      | 4         | 7         | 11     | 2         | 6         | 8      | 2         | 6         | 8      | ...       | 1         | 1      |  |
| South-East . . . . .                                              | 10        | 10        | 20     | 11        | 9         | 20     | 9         | 2         | 11     | 4         | 3         | 7      | 5         | 4         | 9      | ...       | ...       | ...    |  |
| South . . . . .                                                   | 8         | 1         | 9      | 10        | 6         | 16     | 2         | 2         | 4      | 2         | 3         | 5      | 2         | 3         | 5      | ...       | ...       | ...    |  |
| South-West . . . . .                                              | ...       | 3         | 3      | 1         | 2         | 3      | 2         | 5         | 7      | 1         | 4         | 5      | 5         | 3         | 8      | 9         | 7         | 16     |  |
| West . . . . .                                                    | ...       | 6         | 6      | ...       | 1         | 1      | 4         | 6         | 10     | 4         | 8         | 12     | 8         | 7         | 15     | 16        | 12        | 28     |  |
| North-West . . . . .                                              | ...       | ...       | ...    | 1         | 1         | 2      | 5         | 5         | 10     | 2         | 3         | 5      | 3         | 5         | 8      | 5         | 5         | 10     |  |
| Calm . . . . .                                                    | 1         | 1         | 2      | ...       | 1         | 1      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |  |
| Variable . . . . .                                                | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |  |
| Resultant. {                                                      | 51        |           |        | 54        |           |        | 3         |           |        | 10        |           |        | 13        |           |        | 71        |           |        |  |
|                                                                   | S. 53° E. |           |        | S. 36° E. |           |        | S. 25° E. |           |        | N. 51° E. |           |        | S. 53° W. |           |        | S. 89° W. |           |        |  |
| Mean diurnal velocity of wind in miles . . . . .                  |           | 216.6     |        |           | 171.6     |        |           | 193.8     |        |           | 224.6     |        |           | 204.9     |        |           | 232.5     |        |  |
| Average Resultant. {                                              | 55        |           |        | 32        |           |        | 9         |           |        | 14        |           |        | 46        |           |        | 66        |           |        |  |
|                                                                   | S. 60° E. |           |        | S. 33° E. |           |        | N. 51° E. |           |        | N. 18° E. |           |        | N. 41° W. |           |        | N. 86° W. |           |        |  |
| Average diurnal velocity of wind in miles . . . . .<br>8-9 Years. |           | 164.5     |        |           | 153.8     |        |           | 161.4     |        |           | 191.9     |        |           | 240.0     |        |           | 294.1     |        |  |

|                                                                   | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |           |        |  |
|-------------------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|--|
|                                                                   | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |  |
| North . . . . .                                                   | ...       | ...       | ...    | 1         | ...       | 1      | 4          | 1         | 5      | 3         | 2         | 5      | 2         | 1         | 3      | 1         | 1         | 2      |  |
| North-East . . . . .                                              | ...       | ...       | ...    | ...       | ...       | ...    | 2          | 5         | 7      | 5         | 7         | 12     | 4         | 11        | 15     | 8         | 12        | 20     |  |
| East . . . . .                                                    | ...       | ...       | ...    | ...       | ...       | ...    | 1          | ...       | 1      | 5         | 4         | 9      | 13        | 10        | 23     | 10        | 7         | 17     |  |
| South-East . . . . .                                              | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | 4         | 3         | 7      | 7         | 6         | 13     | 11        | 9         | 20     |  |
| South . . . . .                                                   | ...       | ...       | ...    | 2         | 2         | 4      | 1          | ...       | 1      | 4         | 2         | 6      | 1         | ...       | 1      | 1         | ...       | 1      |  |
| South-West . . . . .                                              | 12        | 12        | 24     | 12        | 10        | 22     | 5          | 4         | 9      | 5         | 6         | 11     | 1         | ...       | 1      | ...       | ...       | ...    |  |
| West . . . . .                                                    | 14        | 13        | 27     | 13        | 11        | 24     | 9          | 12        | 21     | 4         | 2         | 6      | ...       | 1         | 1      | ...       | 1         | 1      |  |
| North-West . . . . .                                              | 5         | 6         | 11     | 3         | 8         | 11     | 8          | 7         | 15     | 1         | 2         | 3      | 1         | ...       | 1      | ...       | ...       | ...    |  |
| Calm . . . . .                                                    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | 1         | 1      | ...       | 3         | 3      | 1         | 1         | 2      | ...       | 1         | 1      |  |
| Variable . . . . .                                                | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |  |
| Resultant. {                                                      | 85        |           |        | 78        |           |        | 58         |           |        | 12        |           |        | 68        |           |        | 71        |           |        |  |
|                                                                   | S. 80° W. |           |        | S. 77° W. |           |        | N. 68° W.  |           |        | S. 64° E. |           |        | N. 85° E. |           |        | N. 89° E. |           |        |  |
| Mean diurnal velocity of wind in miles . . . . .                  |           | 238.4     |        |           | 244.7     |        |            | 227.3     |        |           | 165.1     |        |           | 195.8     |        |           | 208.1     |        |  |
| Average Resultant. {                                              | 81        |           |        | 79        |           |        | 68         |           |        | 30        |           |        | 63        |           |        | 57        |           |        |  |
|                                                                   | S. 80° W. |           |        | N. 89° W. |           |        | N. 73° W.  |           |        | N. 50° E. |           |        | N. 69° E. |           |        | N. 89° E. |           |        |  |
| Average diurnal velocity of wind in miles . . . . .<br>8-9 Years. |           | 286.8     |        |           | 262.9     |        |            | 232.7     |        |           | 164.0     |        |           | 173.0     |        |           | 158.9     |        |  |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

93.—RATNAGIRI (4 observations daily).

|                                                       | JANUARY.        |           |           |           |        | FEBRUARY.       |           |           |           |        | MARCH.          |           |           |           |        | APRIL.          |           |           |           |        | MAY.            |           |           |           |        | JUNE.           |           |           |           |        |
|-------------------------------------------------------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|
|                                                       | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                       | 5               | 3         | 8         | 6         | 22     | 9               | 1         | ...       | 8         | 18     | 15              | ...       | ...       | 3         | 18     | 6               | ...       | ...       | ...       | 6      | 6               | ...       | ...       | ...       | 6      | 1               | 1         | ...       | 2         | 4      |
| North-East . . . . .                                  | 5               | 3         | 5         | 5         | 18     | 8               | 2         | ...       | 2         | 12     | 7               | 1         | ...       | ...       | 8      | 1               | ...       | ...       | ...       | 1      | 3               | 2         | ...       | ...       | 5      | 4               | 1         | ...       | 1         | 6      |
| East . . . . .                                        | 7               | 1         | 1         | 8         | 17     | 4               | 5         | ...       | 1         | 10     | 3               | ...       | ...       | ...       | 3      | 5               | ...       | ...       | ...       | 5      | 3               | ...       | ...       | 2         | 5      | 1               | ...       | ...       | 1         | 2      |
| South-East . . . . .                                  | 9               | 8         | ...       | 5         | 22     | 1               | 4         | ...       | ...       | 5      | 1               | 2         | ...       | ...       | 3      | 2               | ...       | ...       | ...       | 2      | 1               | 1         | 1         | 4         | 7      | 1               | ...       | 1         | 1         | 3      |
| South . . . . .                                       | 3               | 7         | ...       | ...       | 10     | ...             | 2         | ...       | ...       | 2      | ...             | 3         | 1         | 1         | 5      | ...             | 4         | ...       | 3         | 7      | 2               | 3         | 2         | 2         | 9      | 4               | 4         | 5         | 4         | 17     |
| South-West . . . . .                                  | ...             | 1         | ...       | ...       | 1      | ...             | 7         | 4         | ...       | 11     | ...             | 8         | 6         | 3         | 17     | ...             | 17        | 7         | 5         | 29     | 3               | 6         | 7         | 4         | 20     | 9               | 14        | 10        | 14        | 47     |
| West . . . . .                                        | ...             | 1         | 3         | ...       | 4      | ...             | 1         | 7         | 1         | 9      | ...             | 8         | 11        | 5         | 24     | 2               | 5         | 16        | 8         | 31     | 3               | 10        | 12        | 6         | 31     | 2               | 3         | 7         | 2         | 14     |
| North-West . . . . .                                  | 1               | 7         | 14        | 7         | 29     | 4               | 5         | 17        | 13        | 39     | 4               | 8         | 12        | 17        | 41     | 11              | 4         | 7         | 13        | 35     | 4               | 4         | 7         | 11        | 26     | 5               | 4         | 5         | 3         | 17     |
| Calm . . . . .                                        | 1               | ...       | ...       | ...       | 1      | 2               | 1         | ...       | 3         | 6      | ...             | ...       | ...       | 1         | ...    | 3               | ...       | ...       | 1         | 4      | ...             | ...       | ...       | ...       | ...    | 1               | 1         | ...       | ...       | 2      |
| Variable . . . . .                                    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Resultant { Percentage Direction.                     | 28<br>N. 35° E. |           |           |           |        | 41<br>N. 29° W. |           |           |           |        | 53<br>N. 58° W. |           |           |           |        | 58<br>N. 88° W. |           |           |           |        | 46<br>W.        |           |           |           |        | 54<br>S. 58° W. |           |           |           |        |
| Mean diurnal velocity of wind in miles.               | 246.2           |           |           |           |        | 233.1           |           |           |           |        | 243.2           |           |           |           |        | 229.5           |           |           |           |        | 261.4           |           |           |           |        | 265.7           |           |           |           |        |
| Average Resultant { Percentage Direction.             | 30<br>N. 34° W. |           |           |           |        | 52<br>N. 52° W. |           |           |           |        | 60<br>N. 72° W. |           |           |           |        | 67<br>N. 76° W. |           |           |           |        | 64<br>N. 73° W. |           |           |           |        | 66<br>S. 53° W. |           |           |           |        |
| Average diurnal velocity of wind in miles.<br>3 Years | 236.8           |           |           |           |        | 231.2           |           |           |           |        | 233.4           |           |           |           |        | 267.7           |           |           |           |        | 271.6           |           |           |           |        | 300.6           |           |           |           |        |

|                                                         | JULY.           |           |           |           |        | AUGUST.         |           |           |           |        | SEPTEMBER.      |           |           |           |        | OCTOBER.        |           |           |           |        | NOVEMBER.       |           |           |           |        | DECEMBER.       |           |           |           |        |
|---------------------------------------------------------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|
|                                                         | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                         | 1               | 1         | ...       | ...       | 2      | 2               | ...       | ...       | 1         | 3      | 5               | 4         | 5         | 9         | 23     | 6               | 3         | 4         | 7         | 20     | 3               | ...       | 4         | 12        | 19     | 6               | 1         | 1         | 15        | 23     |
| North-East . . . . .                                    | 2               | 1         | ...       | ...       | 3      | ...             | ...       | 2         | 1         | 3      | 8               | 1         | ...       | 2         | 11     | 2               | 2         | 1         | 1         | 6      | 5               | 6         | ...       | 8         | 19     | 10              | 6         | 2         | 1         | 19     |
| East . . . . .                                          | 2               | ...       | ...       | 1         | 3      | 4               | 5         | 5         | 6         | 20     | 2               | ...       | ...       | ...       | 2      | 4               | 1         | ...       | 2         | 7      | 12              | 8         | 1         | 1         | 22     | 12              | 16        | 1         | ...       | 29     |
| South-East . . . . .                                    | ...             | 1         | ...       | ...       | 1      | 5               | 5         | 7         | 5         | 22     | 4               | ...       | ...       | 1         | 5      | 8               | 1         | 2         | 4         | 15     | 6               | 7         | ...       | 1         | 14     | 1               | 3         | ...       | ...       | 4      |
| South . . . . .                                         | 1               | 2         | 1         | 2         | 6      | 3               | 2         | 1         | 2         | 8      | ...             | 2         | ...       | ...       | 2      | 5               | 6         | 1         | 8         | 20     | ...             | 2         | ...       | 1         | 3      | ...             | 1         | ...       | ...       | 1      |
| South-West . . . . .                                    | 13              | 11        | 14        | 15        | 53     | 4               | 2         | 1         | 2         | 9      | 1               | 7         | 6         | 2         | 16     | ...             | 8         | 11        | 1         | 20     | 1               | 3         | 3         | ...       | 7      | ...             | 1         | 2         | ...       | 3      |
| West . . . . .                                          | 5               | 10        | 11        | 9         | 35     | 5               | 8         | 9         | 4         | 26     | ...             | 7         | 7         | 6         | 20     | 1               | 3         | 2         | 2         | 8      | ...             | 2         | 5         | 1         | 8      | ...             | 2         | 8         | 1         | 11     |
| North-West . . . . .                                    | 3               | 2         | 1         | 1         | 7      | 3               | 5         | 3         | 6         | 17     | 4               | 9         | 12        | 9         | 34     | 1               | 7         | 10        | 5         | 23     | 1               | 2         | 15        | 5         | 23     | 1               | 1         | 16        | 10        | 28     |
| Calm . . . . .                                          | 1               | ...       | ...       | ...       | 1      | 1               | ...       | ...       | ...       | 1      | 6               | ...       | ...       | 1         | 7      | 4               | ...       | ...       | 1         | 5      | 1               | ...       | ...       | ...       | 1      | 1               | ...       | ...       | 3         | 4      |
| Variable . . . . .                                      | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Resultant { Percentage Direction.                       | 72<br>S. 64° W. |           |           |           |        | 13<br>S. 28° W. |           |           |           |        | 47<br>N. 48° W. |           |           |           |        | 14<br>S. 76° W. |           |           |           |        | 30<br>N. 28° E. |           |           |           |        | 42<br>N. 14° E. |           |           |           |        |
| Mean diurnal velocity of wind in miles                  | 251.3           |           |           |           |        | 203.2           |           |           |           |        | 193.2           |           |           |           |        | 206.6           |           |           |           |        | 208.6           |           |           |           |        | 205.4           |           |           |           |        |
| Average Resultant { Percentage Direction.               | 77<br>S. 55° W. |           |           |           |        | 61<br>S. 63° W. |           |           |           |        | 55<br>S. 88° W. |           |           |           |        | 17<br>S. 81° W. |           |           |           |        | 30<br>N. 1° W.  |           |           |           |        | 36<br>N. 4° W.  |           |           |           |        |
| Average diurnal velocity of wind in miles<br>3-4 Years. | 319.2           |           |           |           |        | 250.2           |           |           |           |        | 203.4           |           |           |           |        | 183.6           |           |           |           |        | 216.8           |           |           |           |        | 234.9           |           |           |           |        |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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94.—BELGAUM (4 observations daily).

|                                                                                | JANUARY.  |            |            |            |        | FEBRUARY. |            |            |            |        | MARCH.    |            |            |            |        | APRIL.    |            |            |            |        | MAY.      |            |            |            |        | JUNE.     |            |            |            |        |
|--------------------------------------------------------------------------------|-----------|------------|------------|------------|--------|-----------|------------|------------|------------|--------|-----------|------------|------------|------------|--------|-----------|------------|------------|------------|--------|-----------|------------|------------|------------|--------|-----------|------------|------------|------------|--------|
|                                                                                | 4½ hours. | 10½ hours. | 16½ hours. | 22½ hours. | Total. | 4½ hours. | 10½ hours. | 16½ hours. | 22½ hours. | Total. | 4½ hours. | 10½ hours. | 16½ hours. | 22½ hours. | Total. | 4½ hours. | 10½ hours. | 16½ hours. | 22½ hours. | Total. | 4½ hours. | 10½ hours. | 16½ hours. | 22½ hours. | Total. | 4½ hours. | 10½ hours. | 16½ hours. | 22½ hours. | Total. |
| North . . . . .                                                                | 4         | 5          | ...        | ...        | 9      | 4         | 2          | ...        | 1          | 7      | 6         | 3          | 1          | ...        | 10     | 5         | 5          | 3          | 2          | 15     | 1         | 6          | 1          | ...        | 8      | ...       | ...        | ...        | 1          | 1      |
| North-East . . . . .                                                           | 2         | 4          | 2          | 1          | 9      | 3         | 6          | 4          | 3          | 16     | 1         | 8          | 2          | ...        | 11     | 2         | 10         | 2          | ...        | 14     | 1         | 1          | 1          | 1          | 4      | ...       | ...        | ...        | ...        | ...    |
| East . . . . .                                                                 | 13        | 9          | 10         | 10         | 42     | 7         | 5          | 12         | 5          | 29     | 2         | 4          | 5          | 1          | 12     | ...       | 2          | ...        | ...        | 2      | 1         | 2          | 1          | 1          | 5      | ...       | ...        | ...        | ...        | ...    |
| South-East . . . . .                                                           | 4         | 9          | 3          | 1          | 17     | 6         | 12         | 5          | 1          | 24     | 1         | 5          | 1          | ...        | 7      | ...       | 2          | ...        | 1          | 3      | 3         | ...        | 1          | 1          | 5      | ...       | ...        | ...        | ...        | ...    |
| South . . . . .                                                                | ...       | 1          | 2          | ...        | 3      | 2         | 2          | 1          | ...        | 5      | ...       | 3          | 2          | ...        | 5      | 2         | 2          | ...        | ...        | 4      | 2         | 3          | 4          | 2          | 11     | ...       | ...        | ...        | 1          | 1      |
| South-West . . . . .                                                           | 1         | ...        | 6          | 6          | 13     | 1         | ...        | 1          | 4          | 6      | 1         | 1          | 2          | 1          | 5      | 4         | 2          | 5          | 4          | 15     | 8         | 3          | 8          | 10         | 29     | 12        | 13         | 17         | 13         | 55     |
| West . . . . .                                                                 | 1         | 1          | 5          | 8          | 15     | 3         | 1          | 4          | 12         | 20     | 7         | 1          | 13         | 23         | 44     | 11        | 4          | 16         | 18         | 49     | 12        | 9          | 14         | 12         | 47     | 16        | 14         | 11         | 13         | 54     |
| North-West . . . . .                                                           | 4         | ...        | 1          | 3          | 8      | 2         | ...        | 1          | 2          | 5      | 10        | 3          | 3          | 4          | 20     | 6         | 3          | 4          | 5          | 18     | 3         | 7          | 1          | 3          | 14     | ...       | 2          | 1          | 1          | 4      |
| Calm . . . . .                                                                 | ...       | ...        | ...        | ...        | ...    | ...       | ...        | ...        | ...        | ...    | 1         | ...        | ...        | ...        | 1      | ...       | ...        | ...        | ...        | ...    | ...       | ...        | ...        | ...        | ...    | ...       | ...        | ...        | ...        | ...    |
| Variable . . . . .                                                             | ...       | ...        | ...        | ...        | ...    | ...       | ...        | ...        | ...        | ...    | ...       | ...        | ...        | ...        | ...    | ...       | ...        | ...        | ...        | ...    | ...       | ...        | ...        | ...        | ...    | ...       | ...        | ...        | ...        | ...    |
| Resultant {                                                                    | 26        |            |            |            |        | 27        |            |            |            |        | 36        |            |            |            |        | 52        |            |            |            |        | 55        |            |            |            |        | 89        |            |            |            |        |
|                                                                                | S. 84° E. |            |            |            |        | S. 82° E. |            |            |            |        | N. 63° W. |            |            |            |        | N. 70° W. |            |            |            |        | S. 78° W. |            |            |            |        | S. 69° W. |            |            |            |        |
| Mean diurnal velocity of wind in miles . . . . .                               | 276.8     |            |            |            |        | 265.3     |            |            |            |        | 283.3     |            |            |            |        | 312.7     |            |            |            |        | 401.1     |            |            |            |        | 511.3     |            |            |            |        |
| Average Resultant {                                                            | 50        |            |            |            |        | 23        |            |            |            |        | 8         |            |            |            |        | 25        |            |            |            |        | 73        |            |            |            |        | 86        |            |            |            |        |
|                                                                                | S. 71° E. |            |            |            |        | S. 78° E. |            |            |            |        | S. 88° W. |            |            |            |        | S. 88° W. |            |            |            |        | S. 88° W. |            |            |            |        | S. 73° W. |            |            |            |        |
| 17 Years.<br>Average diurnal velocity of wind in miles . . . . .<br>5-6 Years. | 272.7     |            |            |            |        | 235.7     |            |            |            |        | 271.9     |            |            |            |        | 318.8     |            |            |            |        | 430.4     |            |            |            |        | 585.7     |            |            |            |        |

|                                                                                 | JULY.     |            |            |            |        | AUGUST.   |            |            |            |        | SEPTEMBER. |            |            |            |        | OCTOBER.  |            |            |            |        | NOVEMBER. |            |            |            |        | DECEMBER. |            |            |            |        |
|---------------------------------------------------------------------------------|-----------|------------|------------|------------|--------|-----------|------------|------------|------------|--------|------------|------------|------------|------------|--------|-----------|------------|------------|------------|--------|-----------|------------|------------|------------|--------|-----------|------------|------------|------------|--------|
|                                                                                 | 4½ hours. | 10½ hours. | 16½ hours. | 22½ hours. | Total. | 4½ hours. | 10½ hours. | 16½ hours. | 22½ hours. | Total. | 4½ hours.  | 10½ hours. | 16½ hours. | 22½ hours. | Total. | 4½ hours. | 10½ hours. | 16½ hours. | 22½ hours. | Total. | 4½ hours. | 10½ hours. | 16½ hours. | 22½ hours. | Total. | 4½ hours. | 10½ hours. | 16½ hours. | 22½ hours. | Total. |
| North . . . . .                                                                 | ...       | ...        | ...        | ...        | ...    | ...       | ...        | 1          | ...        | 1      | 2          | 8          | 1          | ...        | 11     | 3         | 3          | 2          | 1          | 9      | 4         | 2          | 2          | 1          | 9      | 2         | 2          | 2          | 2          | 8      |
| North-East . . . . .                                                            | ...       | ...        | ...        | ...        | ...    | ...       | ...        | ...        | ...        | ...    | ...        | 1          | ...        | ...        | 1      | 2         | 4          | 4          | 2          | 12     | 10        | 7          | 18         | 12         | 47     | 8         | 7          | 8          | 7          | 30     |
| East . . . . .                                                                  | ...       | ...        | ...        | ...        | ...    | ...       | ...        | ...        | ...        | ...    | ...        | ...        | ...        | ...        | ...    | 2         | 4          | 2          | 1          | 9      | 8         | 13         | 4          | 6          | 31     | 10        | 12         | 14         | 10         | 46     |
| South-East . . . . .                                                            | ...       | ...        | ...        | ...        | ...    | ...       | ...        | ...        | ...        | ...    | ...        | ...        | ...        | ...        | ...    | 1         | 3          | 1          | 1          | 6      | 1         | 3          | 2          | ...        | 6      | 4         | 7          | 3          | 3          | 17     |
| South . . . . .                                                                 | ...       | ...        | ...        | ...        | ...    | 1         | ...        | ...        | ...        | 1      | ...        | ...        | 1          | 1          | 2      | 5         | 3          | 3          | 2          | 13     | 1         | 1          | 3          | 1          | 6      | ...       | 1          | 2          | ...        | 3      |
| South-West . . . . .                                                            | 9         | 13         | 12         | 10         | 44     | 6         | 8          | 12         | 6          | 32     | 5          | 2          | 11         | 7          | 25     | 8         | 6          | 13         | 11         | 38     | 1         | ...        | ...        | 3          | 4      | 1         | ...        | 1          | 1          | 3      |
| West . . . . .                                                                  | 21        | 18         | 19         | 21         | 79     | 22        | 21         | 18         | 25         | 86     | 20         | 13         | 15         | 21         | 69     | 6         | 6          | 4          | 10         | 26     | 4         | 2          | 1          | 5          | 12     | 2         | 1          | 1          | 3          | 7      |
| North-West . . . . .                                                            | 1         | ...        | ...        | ...        | 1      | 2         | 2          | ...        | ...        | 4      | 2          | 6          | 2          | 1          | 11     | 2         | 1          | 1          | 2          | 6      | ...       | 1          | ...        | 2          | 3      | 2         | 1          | ...        | 3          | 6      |
| Calm . . . . .                                                                  | ...       | ...        | ...        | ...        | ...    | ...       | ...        | ...        | ...        | ...    | 1          | ...        | ...        | ...        | 1      | 1         | ...        | ...        | ...        | 1      | ...       | ...        | ...        | ...        | ...    | ...       | ...        | ...        | ...        | ...    |
| Variable . . . . .                                                              | ...       | ...        | ...        | ...        | ...    | ...       | ...        | ...        | ...        | ...    | ...        | ...        | ...        | ...        | ...    | ...       | ...        | ...        | ...        | ...    | ...       | ...        | ...        | ...        | ...    | ...       | ...        | ...        | ...        | ...    |
| Resultant {                                                                     | 93        |            |            |            |        | 91        |            |            |            |        | 78         |            |            |            |        | 35        |            |            |            |        | 51        |            |            |            |        | 57        |            |            |            |        |
|                                                                                 | S. 75° W. |            |            |            |        | S. 80° W. |            |            |            |        | W.         |            |            |            |        | S. 58° W. |            |            |            |        | N. 59° E. |            |            |            |        | N. 76° E. |            |            |            |        |
| Mean diurnal velocity of wind in miles . . . . .                                | 549.8     |            |            |            |        | 470.3     |            |            |            |        | 310.4      |            |            |            |        | 292.2     |            |            |            |        | 292.9     |            |            |            |        | 265.3     |            |            |            |        |
| Average Resultant {                                                             | 90        |            |            |            |        | 89        |            |            |            |        | 82         |            |            |            |        | 72        |            |            |            |        | 67        |            |            |            |        | 70        |            |            |            |        |
|                                                                                 | S. 70° W. |            |            |            |        | S. 79° W. |            |            |            |        | N. 84° W.  |            |            |            |        | N. 88° E. |            |            |            |        | N. 84° E. |            |            |            |        | S. 87° E. |            |            |            |        |
| 16-17 Years.<br>Average diurnal velocity of wind in miles . . . . .<br>6 Years. | 663.6     |            |            |            |        | 505.0     |            |            |            |        | 400.1      |            |            |            |        | 248.3     |            |            |            |        | 280.5     |            |            |            |        | 284.2     |            |            |            |        |



TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 97.—VIZAGAPATAM (4 observations daily).

|                                                     | JANUARY.     |           |           |           |        | FEBRUARY. |           |           |           |           | MARCH.   |           |           |           |        | APRIL.   |           |           |           |        | MAY.     |           |           |           |        | JUNE.    |           |           |           |        |
|-----------------------------------------------------|--------------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|--------|----------|-----------|-----------|-----------|--------|----------|-----------|-----------|-----------|--------|----------|-----------|-----------|-----------|--------|
|                                                     | 4 hours.     | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total.    | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                     | 2            | 9         | 2         | 4         | 17     | ...       | ...       | ...       | ...       | ...       | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...      | ...       | 2         | ...       | 2      | ...      | ...       | ...       | ...       | ...    |
| North-East . . . . .                                | 7            | 6         | 8         | 9         | 30     | ...       | 1         | 2         | ...       | 3         | 1        | ...       | ...       | ...       | 1      | ...      | ...       | ...       | ...       | ...    | 3        | 4         | ...       | 1         | 8      | ...      | ...       | 1         | ...       | 1      |
| East . . . . .                                      | 7            | 3         | 10        | 9         | 29     | 3         | 3         | 3         | 4         | 13        | ...      | 3         | 1         | 1         | 5      | 1        | ...       | ...       | ...       | 1      | 2        | 1         | ...       | 1         | 4      | ...      | 1         | ...       | ...       | 1      |
| South-East . . . . .                                | ...          | 2         | 6         | 1         | 9      | 6         | 2         | 9         | 8         | 25        | 9        | 3         | 8         | 15        | 35     | 1        | 1         | 4         | 3         | 9      | 6        | 4         | 9         | 8         | 27     | 1        | 1         | 1         | ...       | 3      |
| South . . . . .                                     | 1            | ...       | 5         | 2         | 8      | 8         | 1         | 13        | 8         | 30        | 6        | 5         | 19        | 4         | 34     | 3        | 6         | 12        | 2         | 23     | 2        | 6         | 12        | 6         | 26     | 1        | 3         | 7         | 3         | 14     |
| South-West . . . . .                                | 1            | 2         | ...       | 3         | 6      | 1         | 3         | 1         | 4         | 9         | 2        | 11        | 2         | 5         | 20     | 11       | 19        | 13        | 15        | 58     | 8        | 12        | 8         | 12        | 40     | 13       | 11        | 13        | 12        | 49     |
| West . . . . .                                      | 10           | 6         | ...       | 2         | 18     | 10        | 15        | ...       | 4         | 29        | 12       | 9         | 1         | 5         | 27     | 13       | 4         | 1         | 8         | 26     | 9        | 4         | ...       | 3         | 16     | 15       | 13        | 8         | 13        | 49     |
| North-West . . . . .                                | 3            | 3         | ...       | 1         | 7      | ...       | 3         | ...       | ...       | 3         | 1        | ...       | ...       | 1         | 2      | 1        | ...       | ...       | 2         | 3      | 1        | ...       | ...       | ...       | 1      | ...      | 1         | ...       | 2         | 3      |
| Calm . . . . .                                      | ...          | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    |
| Variable . . . . .                                  | ...          | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    |
| Resultant {                                         | Percentage . | 31        |           |           |        | 45        |           |           |           | 58        |          |           |           | 77        |        |          |           | 54        |           |        |          | 79        |           |           |        |          |           |           |           |        |
|                                                     | Direction .  | N. 50° E. |           |           |        | S. 5° W.  |           |           |           | S. 10° W. |          |           |           | S. 42° W. |        |          |           | S. 14° W. |           |        |          | S. 60° W. |           |           |        |          |           |           |           |        |
| Mean diurnal velocity of wind in miles . .          |              | 37'5      |           |           |        | 36'1      |           |           |           | 69'5      |          |           |           | 98'3      |        |          |           | 49'3      |           |        |          | 66'6      |           |           |        |          |           |           |           |        |
| Average Resultant {                                 | Percentage . | 42        |           |           |        | 43        |           |           |           | 58        |          |           |           | 64        |        |          |           | 60        |           |        |          | 63        |           |           |        |          |           |           |           |        |
|                                                     | Direction .  | S. 60° E. |           |           |        | S. 11° W. |           |           |           | S. 45° W. |          |           |           | S. 48° W. |        |          |           | S. 41° W. |           |        |          | S. 58° W. |           |           |        |          |           |           |           |        |
| Average diurnal velocity of wind in miles 15 Years. |              | 44'5      |           |           |        | 50'8      |           |           |           | 75'0      |          |           |           | 97'9      |        |          |           | 94'6      |           |        |          | 95'9      |           |           |        |          |           |           |           |        |

|                                                       | JULY.        |           |           |           |        | AUGUST.   |           |           |           |           | SEPTEMBER. |           |           |           |        | OCTOBER. |           |           |           |        | NOVEMBER. |           |           |           |        | DECEMBER. |           |           |           |        |
|-------------------------------------------------------|--------------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|--------|----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|--------|
|                                                       | 4 hours.     | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total.    | 4 hours.   | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.  | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                       | ...          | ...       | 1         | ...       | 1      | 1         | ...       | ...       | ...       | 1         | 1          | 1         | 1         | ...       | 3      | 3        | 7         | 5         | 4         | 19     | 11        | 10        | 6         | 8         | 35     | 7         | 10        | 3         | 7         | 27     |
| North-East . . . . .                                  | ...          | ...       | ...       | ...       | ...    | ...       | 1         | ...       | ...       | 1         | ...        | ...       | 3         | 2         | 5      | 6        | 6         | 6         | 6         | 24     | 3         | 8         | 13        | 10        | 34     | 4         | 1         | 10        | 8         | 23     |
| East . . . . .                                        | ...          | ...       | ...       | ...       | ...    | 2         | 1         | 3         | 4         | 10        | 1          | 2         | 1         | 2         | 6      | 6        | 5         | 6         | 8         | 25     | 4         | 1         | 5         | 3         | 13     | ...       | ...       | 3         | 6         | 9      |
| South-East . . . . .                                  | 1            | ...       | 1         | ...       | 2      | 1         | ...       | 1         | 2         | 4         | ...        | ...       | 3         | 2         | 5      | 1        | 1         | 3         | 1         | 6      | 3         | ...       | 4         | 4         | 11     | ...       | ...       | ...       | 2         | 2      |
| South . . . . .                                       | 2            | ...       | 7         | 3         | 12     | 4         | 3         | 5         | 3         | 15        | 2          | 3         | 8         | 2         | 15     | 1        | 2         | 5         | 6         | 14     | 2         | ...       | 2         | 2         | 6      | ...       | ...       | 2         | ...       | 2      |
| South-West . . . . .                                  | 7            | 11        | 11        | 11        | 40     | 3         | 4         | 7         | 4         | 18        | 7          | 6         | 11        | 9         | 33     | 2        | 1         | 1         | 1         | 5      | 2         | ...       | ...       | 3         | 5      | ...       | 2         | 1         | 2         | 5      |
| West . . . . .                                        | 21           | 18        | 10        | 16        | 65     | 17        | 21        | 10        | 15        | 63        | 17         | 16        | 3         | 11        | 47     | 9        | 6         | 3         | 4         | 22     | 3         | 8         | ...       | ...       | 11     | 12        | 12        | 5         | 4         | 33     |
| North-West . . . . .                                  | ...          | 2         | 1         | 1         | 4      | 3         | 1         | 5         | 3         | 12        | 2          | 2         | ...       | 2         | 6      | 3        | 3         | 2         | 1         | 9      | 2         | 3         | ...       | ...       | 5      | 8         | 6         | 7         | 2         | 23     |
| Calm . . . . .                                        | ...          | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...        | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    |
| Variable . . . . .                                    | ...          | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...        | ...       | ...       | ...       | ...    | ...      | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...    |
| Resultant {                                           | Percentage . | 82        |           |           |        | 59        |           |           |           | 57        |            |           |           | 20        |        |          |           | 44        |           |        |           | 47        |           |           |        |           |           |           |           |        |
|                                                       | Direction .  | S. 68° W. |           |           |        | S. 74° W. |           |           |           | S. 63° W. |            |           |           | N. 35° E. |        |          |           | N. 31° E. |           |        |           | N. 26° W. |           |           |        |           |           |           |           |        |
| Mean diurnal velocity of wind in miles . .            |              | 40'1      |           |           |        | 14'1      |           |           |           | 10'7      |            |           |           | 25'0      |        |          |           | 30'6      |           |        |           | 8'3       |           |           |        |           |           |           |           |        |
| Average Resultant {                                   | Percentage . | 74        |           |           |        | 64        |           |           |           | 48        |            |           |           | 18        |        |          |           | 56        |           |        |           | 55        |           |           |        |           |           |           |           |        |
|                                                       | Direction .  | S. 74° W. |           |           |        | S. 74° W. |           |           |           | S. 60° W. |            |           |           | S. 65° E. |        |          |           | N. 75° E. |           |        |           | N. 83° E. |           |           |        |           |           |           |           |        |
| Average diurnal velocity of wind in miles 14-15 Years |              | 101'4     |           |           |        | 74'2      |           |           |           | 54'8      |            |           |           | 49'2      |        |          |           | 60'0      |           |        |           | 52'2      |           |           |        |           |           |           |           |        |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 98.—MASULIPATAM (2 observations daily).

|                                                       | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |
|-------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|
|                                                       | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |
| North . . .                                           | 8         | ...       | 8      | 10        | ...       | 10     | 3         | ...       | 3      | ...       | 1         | 1      | 2         | ...       | 2      | 3         | 9         | 12     | ...       | 8         | 8      | 7         | 8         | 15     | 1          | 5         | 6      | 3         | 3         | 6      | 13        | 6         | 19     | 6         | 1   | 7   |
| North-East . . .                                      | 8         | ...       | 8      | 2         | ...       | 2      | 1         | ...       | 1      | ...       | ...       | ...    | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | 1         | ...       | 1      | ...        | ...       | ...    | 6         | 3         | 9      | 8         | 5         | 13     | 17        | 2   | 19  |
| East . . .                                            | 6         | 5         | 11     | 2         | ...       | 2      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | 1      | 2          | 3         | 5      | 4         | 9         | 4      | 5         | 9         | 6      | 8         | 14  |     |
| South-East . . .                                      | 8         | 21        | 29     | 9         | 17        | 26     | 11        | 14        | 25     | 9         | 12        | 21     | 15        | 15        | 30     | ...       | 4         | 4      | ...       | 3         | 3      | ...       | 2         | 2      | 3          | 6         | 9      | 4         | 10        | 14     | 4         | 11        | 15     | 2         | 20  | 22  |
| South . . .                                           | 1         | 5         | 6      | 4         | 11        | 15     | 14        | 17        | 31     | 15        | 17        | 32     | 8         | 11        | 19     | 1         | ...       | 1      | ...       | 3         | 3      | 1         | 3         | 4      | 2          | 4         | 6      | 2         | 2         | 4      | ...       | 1         | 1      | ...       | ... | ... |
| South-West . . .                                      | ...       | ...       | ...    | 1         | ...       | 1      | ...       | ...       | ...    | 5         | ...       | 5      | 1         | 1         | 2      | 1         | 1         | 2      | 1         | 3         | 4      | ...       | 1         | 1      | 2          | 1         | 3      | 3         | 1         | 4      | ...       | ...       | ...    | ...       | ... | ... |
| West . . .                                            | ...       | ...       | ...    | ...       | ...       | ...    | 1         | ...       | 1      | ...       | ...       | ...    | 1         | ...       | 1      | 5         | 7         | 12     | 11        | 1         | 12     | 4         | 3         | 7      | 2          | 2         | 4      | 1         | 2         | 3      | ...       | ...       | ...    | ...       | ... | ... |
| North-West . . .                                      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 1         | ...       | 1      | 3         | 3         | 6      | 20        | 9         | 29     | 19        | 13        | 32     | 18        | 14        | 32     | 17         | 9         | 26     | 7         | 6         | 13     | 1         | 2         | 3      | ...       | ... | ... |
| Calm . . .                                            | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | 2      | 1          | 3         | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |
| Variable . . .                                        | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |
| Resultant {                                           | 63        |           |        | 55        |           |        | 78        |           |        | 83        |           |        | 62        |           |        | 69        |           |        | 68        |           |        | 69        |           |        | 30         |           |        | 18        |           |        | 54        |           |        | 70        |     |     |
|                                                       | S. 71° E. |           |        | S. 43° E. |           |        | S. 22° E. |           |        | S. 12° E. |           |        | S. 25° E. |           |        | N. 49° W. |           |        | N. 57° W. |           |        | N. 41° W. |           |        | N. 57° W.  |           |        | N. 65° E. |           |        | N. 55° E. |           |        | N. 84° E. |     |     |
| Mean diurnal velocity of wind in miles . . .          | 117.2     |           |        | 95.9      |           |        | 168.4     |           |        | 207.7     |           |        | 108.2     |           |        | 187.2     |           |        | 202.1     |           |        | 153.0     |           |        | 121.8      |           |        | 90.4      |           |        | 108.8     |           |        | 97.1      |     |     |
| Average Resultant {                                   | 81        |           |        | 73        |           |        | 79        |           |        | 83        |           |        | 63        |           |        | 73        |           |        | 79        |           |        | 77        |           |        | 72         |           |        | 38        |           |        | 81        |           |        | 82        |     |     |
|                                                       | N. 69° E. |           |        | S. 73° E. |           |        | S. 20° E. |           |        | S. 3° W.  |           |        | S. 19° W. |           |        | S. 74° W. |           |        | S. 81° W. |           |        | S. 84° W. |           |        | N. 77° W.  |           |        | N. 29° E. |           |        | N. 58° E. |           |        | N. 58° E. |     |     |
| Average diurnal velocity of wind in miles. 4-5 Years. | 130.9     |           |        | 127.9     |           |        | 164.7     |           |        | 218.9     |           |        | 209.2     |           |        | 217.4     |           |        | 225.6     |           |        | 193.0     |           |        | 157.9      |           |        | 103.5     |           |        | 135.1     |           |        | 138.2     |     |     |

## 99.—SECUNDERABAD (2 observations daily).

|                                                                | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |       |     |     |
|----------------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-------|-----|-----|
|                                                                | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours.  | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. |           |       |     |     |
| North . . .                                                    | ...       | 1         | 1      | 1         | 3         | 4      | 1         | 4         | 5      | 2         | 4         | 6      | 4         | 1         | 5      | ...       | 1         | 1      | ...       | 1         | 1      | 1         | ...       | 1      | ...        | 4         | 4      | 3         | 3         | 6      | 9         | 10        | 19     | 3         | 5     | 8   |     |
| North-East . . .                                               | 3         | 12        | 15     | 4         | 4         | 8      | 2         | 6         | 8      | 3         | 4         | 7      | 3         | 1         | 4      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | 1          | 1         | 2      | 3         | 8         | 11     | 13        | 15        | 28     | 14        | 11    | 25  |     |
| East . . .                                                     | 13        | 14        | 27     | 7         | 13        | 20     | 6         | 9         | 15     | 2         | 11        | 13     | 4         | 7         | 11     | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | 4      | 5         | 9         | 5      | 4         | 9         | 10     | 14        | 24    |     |     |
| South-East . . .                                               | 10        | 1         | 11     | 9         | 3         | 12     | 7         | 6         | 13     | 6         | 2         | 8      | 1         | 4         | 5      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | 1         | 1      | ...        | ...       | ...    | 4         | 1         | 5      | 2         | ...       | 2      | 4         | 1     | 5   |     |
| South . . .                                                    | 2         | 2         | 4      | 2         | ...       | 2      | 4         | 2         | 6      | 6         | 3         | 9      | 4         | 4         | 8      | ...       | ...       | ...    | ...       | 1         | 1      | 1         | 2         | 3      | 1          | ...       | 1      | ...       | 2         | 2      | 1         | ...       | 1      | ...       | ...   | ... |     |
| South-West . . .                                               | 2         | ...       | 2      | 3         | ...       | 3      | 6         | ...       | 6      | 5         | ...       | 5      | 6         | 4         | 10     | 12        | 16        | 28     | 11        | 17        | 28     | 7         | 8         | 15     | 3          | 3         | 6      | 8         | 4         | 12     | ...       | ...       | ...    | ...       | ...   | ... |     |
| West . . .                                                     | ...       | ...       | ...    | 2         | 1         | 3      | 3         | 1         | 4      | ...       | ...       | ...    | 3         | 4         | 7      | 14        | 10        | 24     | 17        | 10        | 27     | 15        | 15        | 30     | 12         | 11        | 23     | 3         | 5         | 8      | ...       | ...       | ...    | ...       | ...   | ... |     |
| North-West . . .                                               | 1         | 1         | 2      | ...       | 3         | 3      | 2         | 1         | 3      | 6         | 5         | 11     | 6         | 5         | 11     | 4         | 1         | 5      | 3         | 2         | 5      | 7         | 5         | 12     | 13         | 11        | 24     | 6         | 3         | 9      | ...       | 1         | 1      | ...       | ...   | ... |     |
| Calm . . .                                                     | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...   | ... | ... |
| Variable . . .                                                 | ...       | ...       | ...    | ...       | 1         | 1      | ...       | 2         | 2      | ...       | 1         | 1      | ...       | 1         | 1      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...   | ... | ... |
| Resultant {                                                    | 69        |           |        | 48        |           |        | 33        |           |        | 21        |           |        | 9         |           |        | 81        |           |        | 85        |           |        | 78        |           |        | 77         |           |        | 11        |           |        | 79        |           |        | 81        |       |     |     |
|                                                                | E.        |           |        | S. 88° E. |           |        | S. 71° E. |           |        | N. 88° E. |           |        | S. 56° W. |           |        | S. 73° W. |           |        | S. 72° W. |           |        | S. 84° W. |           |        | N. 68° W.  |           |        | N. 23° W. |           |        | N. 39° E. |           |        | N. 64° E. |       |     |     |
| Mean diurnal velocity of wind in miles . . .                   |           | 64.3.     |        |           | ?         |        |           | 155.0     |        |           | 146.8     |        |           | 209.2     |        |           | 293.4     |        |           | 286.5     |        |           | 260.6     |        |            | 147.3     |        |           | 142.3     |        |           | 135.4     |        |           | 119.4 |     |     |
| Average Resultant {                                            | 71        |           |        | 50        |           |        | 25        |           |        | 11        |           |        | 40        |           |        | 85        |           |        | 85        |           |        | 82        |           |        | 74         |           |        | 44        |           |        | 75        |           |        | 74        |       |     |     |
|                                                                | S. 89° E. |           |        | S. 74° E. |           |        | S. 64° E. |           |        | S. 6° W.  |           |        | N. 77° W. |           |        | S. 79° W. |           |        | S. 73° W. |           |        | S. 87° W. |           |        | N. 86° W.  |           |        | N. 30° E. |           |        | N. 53° E. |           |        | N. 63° E. |       |     |     |
| Average diurnal velocity of wind in miles . . .<br>8-12 Years. |           | 87.2      |        |           | 86.6      |        |           | 119.2     |        |           | 122.4     |        |           | 168.4     |        |           | 291.3     |        |           | 314.5     |        |           | 241.1     |        |            | 166.1     |        |           | 87.7      |        |           | 82.7      |        |           | 75.8  |     |     |



TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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## 100.—BELLARY (2 observations daily).

|                                                         | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |           |  |  |
|---------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|-----------|--|--|
|                                                         | 10 hours.   | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours.  | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. |           |     |     |           |  |  |
| North . . . . .                                         | 1           | ...       | 1      | 1         | 2         | 3      | ...       | 1         | 1      | 1         | 1         | 2      | 1         | 1         | 2      | 1         | 1         | 2      | ...       | ...       | ...    | ...       | 2         | 2      | 1          | 2         | 3      | 2         | ...       | 2      | 3         | 4         | 7      | ...       | 2   | 2   |           |  |  |
| North-East . . . . .                                    | 3           | 2         | 5      | 2         | 2         | 4      | ...       | 2         | 2      | 2         | 3         | 5      | 3         | 2         | 5      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | 1      | 1          | ...       | 2      | 2         | 4         | 7      | 11        | 4         | 5      | 9         |     |     |           |  |  |
| East . . . . .                                          | 10          | 12        | 22     | 7         | 7         | 14     | ...       | 1         | 1      | 4         | 6         | 10     | 4         | 3         | 7      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | 1      | 1          | 4         | 9      | 13        | 12        | 15     | 27        | 14        | 15     | 29        |     |     |           |  |  |
| South-East . . . . .                                    | 12          | 10        | 22     | 14        | 15        | 29     | 12        | 13        | 25     | 5         | 5         | 10     | 2         | 4         | 6      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...        | 3         | 2      | 5         | 3         | 3      | 6         | 4         | 7      | 11        |     |     |           |  |  |
| South . . . . .                                         | 1           | 1         | 2      | ...       | ...       | ...    | 4         | 1         | 5      | 3         | ...       | 3      | 3         | 1         | 4      | ...       | 2         | 2      | ...       | 1         | 1      | ...       | ...       | ...    | 1          | 1         | 3      | 1         | 4         | 1      | 1         | 2         | 8      | ...       | 8   |     |           |  |  |
| South-West . . . . .                                    | 2           | 2         | 4      | ...       | ...       | ...    | ...       | 3         | 3      | 3         | 7         | 10     | 3         | 9         | 12     | 11        | 15        | 26     | 8         | 13        | 21     | ...       | 2         | 2      | 2          | 2         | 4      | 1         | 4         | 5      | ...       | ...       | ...    | 2         | 2   |     |           |  |  |
| West . . . . .                                          | ...         | 1         | 1      | 2         | ...       | 2      | 8         | 7         | 15     | ...       | 2         | 2      | 6         | 6         | 12     | 14        | 11        | 25     | 18        | 14        | 32     | 20        | 20        | 40     | 8          | 14        | 22     | 8         | 9         | 17     | 1         | ...       | 1      | ...       | ... |     |           |  |  |
| North-West . . . . .                                    | 2           | 3         | 5      | 2         | 2         | 4      | 7         | 3         | 10     | 12        | 6         | 18     | 9         | 5         | 14     | 3         | ...       | 3      | 5         | 2         | 7      | 11        | 7         | 18     | 19         | 9         | 28     | 7         | 4         | 11     | 2         | ...       | 2      | 1         | ... | 1   |           |  |  |
| Calm . . . . .                                          | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | 3         | ...       | 3      | 4         | ...       | 4      | ...       | ... | ... |           |  |  |
| Variable . . . . .                                      | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | 1         | 1      | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |           |  |  |
| Resultant {                                             | Percentage  |           |        | 58        |           |        | 62        |           |        | 26        |           |        | 3         |           |        | 25        |           |        | 78        |           |        | 85        |           |        | 90         |           |        | 79        |           |        | 17        |           |        | 63        |     |     | 52        |  |  |
|                                                         | Direction . |           |        | S. 70° E. |           |        | S. 70° E. |           |        | S. 15° W. |           |        | N. 47° W. |           |        | S. 85° W. |           |        | S. 69° W. |           |        | S. 78° W. |           |        | N. 76° W.  |           |        | N. 65° W. |           |        | N. 89° W. |           |        | N. 75° E. |     |     | S. 75° E. |  |  |
| Mean diurnal velocity of wind in miles .                |             |           |        | 74.5      |           |        | 109.8     |           |        | 127.0     |           |        | 127.2     |           |        | 194.4     |           |        | 262.6     |           |        | 268.8     |           |        | 268.7      |           |        | 202.6     |           |        | 129.7     |           |        | 101.7     |     |     | 74.3      |  |  |
| Average {                                               | Percentage  |           |        | 74        |           |        | 54        |           |        | 22        |           |        | 16        |           |        | 62        |           |        | 84        |           |        | 88        |           |        | 87         |           |        | 78        |           |        | 19        |           |        | 59        |     |     | 72        |  |  |
|                                                         | Direction . |           |        | S. 70° E. |           |        | S. 56° E. |           |        | S. 27° E. |           |        | S. 51° W. |           |        | N. 78° W. |           |        | W.        |           |        | S. 89° W. |           |        | N. 85° W.  |           |        | N. 78° W. |           |        | N. 17° E. |           |        | N. 84° E. |     |     | S. 85° E. |  |  |
| Average diurnal velocity of wind in miles. 10 Years.    |             |           |        | 79.1      |           |        | 97.5      |           |        | 111.5     |           |        | 128.6     |           |        | 199.6     |           |        | 249.6     |           |        | 300.1     |           |        | 258.9      |           |        | 224.9     |           |        | 101.9     |           |        | 80.0      |     |     | 75.6      |  |  |
| Average diurnal velocity of wind in miles. 12-15 Years. |             |           |        | 79.1      |           |        | 97.5      |           |        | 111.5     |           |        | 128.6     |           |        | 199.6     |           |        | 249.6     |           |        | 300.1     |           |        | 258.9      |           |        | 224.9     |           |        | 101.9     |           |        | 80.0      |     |     | 75.6      |  |  |

## 101.—MANGALORE (2 observations daily).

|                                                       | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |    |           |  |  |
|-------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|----|-----------|--|--|
|                                                       | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |    |           |  |  |
| North . . . . .                                       | 3           | 2         | 5      | 3         | 1         | 4      | 1         | 1         | 2      | ...       | 1         | 1      | 1         | 1         | 2      | ...       | 2         | 2      | 6         | 4         | 10     | 5         | 1         | 6      | 4          | 1         | 5      | 1         | ...       | 1      | 1         | 1         | 2      | ...       | 1   | 1  |           |  |  |
| North-East . . . . .                                  | 9           | ...       | 9      | 2         | ...       | 2      | ...       | ...       | ...    | ...       | ...       | ...    | 1         | ...       | 1      | 3         | ...       | 3      | ...       | ...       | ...    | 2         | 1         | 3      | 3          | ...       | 3      | ...       | ...       | ...    | 2         | ...       | 2      | 10        | ... | 10 |           |  |  |
| East . . . . .                                        | 10          | ...       | 10     | 9         | ...       | 9      | 3         | ...       | 3      | ...       | ...       | ...    | 3         | ...       | 3      | 5         | ...       | 5      | 1         | ...       | 1      | ...       | ...       | ...    | ...        | ...       | 3      | ...       | 3         | 8      | ...       | 8         | 14     | ...       | 14  |    |           |  |  |
| South-East . . . . .                                  | ...         | ...       | ...    | 3         | 1         | 4      | ...       | ...       | ...    | ...       | ...       | ...    | 2         | ...       | 2      | 2         | ...       | 2      | 2         | ...       | 2      | ...       | 1         | 1      | ...        | 1         | 1      | 4         | ...       | 4      | 4         | ...       | 4      | 2         | ... | 2  |           |  |  |
| South . . . . .                                       | ...         | ...       | ...    | 3         | 1         | 4      | 2         | ...       | 2      | 1         | ...       | 1      | 6         | 6         | 12     | 3         | 1         | 4      | 4         | 3         | 7      | 3         | 2         | 5      | 10         | 4         | 14     | 6         | 4         | 10     | 1         | 2         | 3      | 1         | ... | 1  |           |  |  |
| South-West . . . . .                                  | ...         | ...       | ...    | ...       | 5         | 5      | 4         | 4         | 8      | 11        | 4         | 15     | 1         | 4         | 5      | 5         | 8         | 13     | 2         | 6         | 8      | 3         | 2         | 5      | 2          | 5         | 7      | 5         | 6         | 11     | 1         | 1         | 2      | ...       | 5   | 5  |           |  |  |
| West . . . . .                                        | ...         | 7         | 7      | ...       | 9         | 9      | 4         | 11        | 15     | 14        | 16        | 30     | 7         | 9         | 16     | 9         | 14        | 23     | 9         | 11        | 20     | 9         | 13        | 22     | 5          | 10        | 15     | 5         | 15        | 20     | 1         | 11        | 12     | 1         | 13  | 14 |           |  |  |
| North-West . . . . .                                  | 8           | 22        | 30     | 3         | 11        | 14     | 11        | 14        | 25     | 3         | 9         | 12     | 10        | 11        | 21     | 1         | 5         | 6      | 5         | 7         | 12     | 6         | 11        | 17     | 5          | 9         | 14     | 4         | 6         | 10     | 8         | 14        | 22     | 1         | 12  | 13 |           |  |  |
| Calm . . . . .                                        | 1           | ...       | 1      | 5         | ...       | 5      | 6         | 1         | 7      | 1         | ...       | 1      | ...       | ...       | ...    | 2         | ...       | 2      | 2         | ...       | 2      | 3         | ...       | 3      | ...        | ...       | ...    | 3         | ...       | 3      | 4         | 1         | 5      | 2         | ... | 2  |           |  |  |
| Variable . . . . .                                    | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |           |  |  |
| Resultant {                                           | Percentage  |           |        | 56        |           |        | 19        |           |        | 60        |           |        | 82        |           |        | 47        |           |        | 48        |           |        | 52        |           |        | 59         |           |        | 46        |           |        | 51        |           |        | 34        |     |    | 19        |  |  |
|                                                       | Direction . |           |        | N. 20° W. |           |        | N. 62° W. |           |        | N. 71° W. |           |        | S. 88° W  |           |        | N. 89° W. |           |        | S. 77° W. |           |        | N. 82° W. |           |        | N. 73° W.  |           |        | S. 84° W. |           |        | S. 67° W. |           |        | N. 55° W. |     |    | N. 21° W. |  |  |
| Mean diurnal velocity of wind in miles .              |             |           |        | 94.7      |           |        | 83.5      |           |        | 92.4      |           |        | 77.4      |           |        | 118.2     |           |        | 89.9      |           |        | 71.3      |           |        | 66.4       |           |        | 63.5      |           |        | 60.5      |           |        | 79.1      |     |    | 77.2      |  |  |
| Average {                                             | Percentage  |           |        | 20        |           |        | 41        |           |        | 72        |           |        | 83        |           |        | 76        |           |        | 45        |           |        | 60        |           |        | 62         |           |        | 50        |           |        | 38        |           |        | 19        |     |    | 15        |  |  |
|                                                       | Direction . |           |        | N. 21° W. |           |        | N. 76° W. |           |        | N. 87° W. |           |        | N. 86° W. |           |        | N. 75° W. |           |        | S. 84° W. |           |        | S. 77° W. |           |        | N. 84° W.  |           |        | S. 88° W. |           |        | S. 73° W. |           |        | N. 65° W. |     |    | N. 7° E.  |  |  |
| Average diurnal velocity of wind in miles. 6 Years.   |             |           |        | 95.1      |           |        | 84.3      |           |        | 81.7      |           |        | 87.5      |           |        | 112.2     |           |        | 88.9      |           |        | 77.6      |           |        | 69.4       |           |        | 57.8      |           |        | 63.7      |           |        | 74.3      |     |    | 85.9      |  |  |
| Average diurnal velocity of wind in miles. 6-7 Years. |             |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |           |  |  |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 102.—MERCARA (2 observations daily).

|                                                         | JANUARY.    |           |        | FEBRUARY. |           |           | MARCH.    |           |        | APRIL.    |           |           | MAY.      |           |        | JUNE.     |           |           | JULY.     |           |        | AUGUST.   |           |           | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |
|---------------------------------------------------------|-------------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|
|                                                         | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |
| North . . . . .                                         | 5           | 5         | 10     | 5         | 12        | 17        | 3         | 14        | 17     | 2         | 15        | 17        | 11        | 10        | 21     | 6         | 10        | 16        | 7         | 3         | 10     | 10        | 10        | 20        | 8          | 12        | 20     | 2         | 10        | 12     | 5         | 11        | 16     | 4         | 6   | 10  |
| North-East . . . . .                                    | 15          | 13        | 28     | 7         | 7         | 14        | 2         | 5         | 7      | 1         | 2         | 3         | 1         | 1         | 2      | 1         | ...       | 1         | 1         | 1         | 2      | ...       | ...       | ...       | 2          | ...       | 2      | 3         | ...       | 3      | 8         | 6         | 14     | 6         | 6   | 12  |
| East . . . . .                                          | 3           | 1         | 4      | 13        | 5         | 18        | 8         | 3         | 11     | 1         | ...       | 1         | 2         | 2         | 4      | ...       | 1         | 1         | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | 4      | 4         | 8         | 9      | 7         | 16        | 13     | 8         | 21  |     |
| South-East . . . . .                                    | 5           | 1         | 6      | 2         | 1         | 3         | 7         | ...       | 7      | 5         | ...       | 5         | 2         | 1         | 3      | 1         | 1         | 2         | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | 2      | ...       | 2         | 3      | 1         | 4         | 4      | 6         | 10  |     |
| South . . . . .                                         | ...         | 1         | 1      | 1         | ...       | 1         | 3         | ...       | 3      | 6         | 2         | 8         | 2         | 2         | 4      | ...       | 1         | 1         | 1         | 1         | 2      | ...       | ...       | ...       | 1          | ...       | 1      | 1         | 3         | 4      | 1         | 2         | 3      | 2         | 3   | 5   |
| South-West . . . . .                                    | 2           | ...       | 2      | ...       | 1         | 1         | 3         | 1         | 4      | 5         | 2         | 7         | 4         | 1         | 5      | 2         | ...       | 2         | 2         | 1         | 3      | ...       | 2         | 2         | ...        | ...       | 2      | 2         | 4         | ...    | ...       | ...       | ...    | ...       | ... |     |
| West . . . . .                                          | 1           | 2         | 3      | ...       | ...       | ...       | 1         | 1         | 2      | 7         | ...       | 7         | 5         | 3         | 8      | 7         | 9         | 16        | 10        | 10        | 20     | 7         | 9         | 16        | 7          | 2         | 9      | 8         | 5         | 13     | 1         | 1         | 2      | ...       | ... | ... |
| North-West . . . . .                                    | ...         | 6         | 6      | ...       | 2         | 2         | 4         | 7         | 11     | 3         | 9         | 12        | 4         | 11        | 15     | 13        | 8         | 21        | 10        | 15        | 25     | 14        | 10        | 24        | 12         | 15        | 27     | 9         | 7         | 16     | 1         | 1         | 2      | ...       | 2   | 2   |
| Calm . . . . .                                          | ...         | 2         | 2      | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | 1         | 1      | ...       | ...       | ...    | 2         | 1         | 3      | 1         | ... | 1   |
| Variable . . . . .                                      | ...         | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |     |
| Resultant {                                             | Percentage, | 54        |        | 66        |           | 33        |           | 30        |        | 44        |           | 67        |           | 74        |        | 80        |           | 79        |           | 37        |        | 55        |           | 59        |            |           |        |           |           |        |           |           |        |           |     |     |
|                                                         | Direction . | N. 35° E. |        | N. 49° E. |           | N. 24° E. |           | N. 51° W. |        | N. 32° W. |           | N. 46° W. |           | N. 57° W. |        | N. 44° W. |           | N. 34° W. |           | N. 42° W. |        | N. 50° E. |           | N. 77° E. |            |           |        |           |           |        |           |           |        |           |     |     |
| Mean diurnal velocity of wind in miles .                |             | 82.8      |        | 74.1      |           | 45.0      |           | 67.3      |        | 68.8      |           | 137.5     |           | 107.2     |        | 73.7      |           | 81.3      |           | 80.1      |        | 56.5      |           | 67.0      |            |           |        |           |           |        |           |           |        |           |     |     |
| Average Resultant {                                     | Percentage  | 66        |        | 34        |           | 15        |           | 51        |        | 73        |           | 92        |           | 95        |        | 91        |           | 90        |           | 24        |        | 47        |           | 73        |            |           |        |           |           |        |           |           |        |           |     |     |
|                                                         | Direction . | N. 72° E. |        | N. 53° E. |           | N. 50° W. |           | N. 74° W. |        | N. 74° W. |           | N. 84° W. |           | N. 83° W. |        | N. 79° W. |           | N. 79° W. |           | N. 54° W. |        | N. 61° E. |           | N. 72° E. |            |           |        |           |           |        |           |           |        |           |     |     |
| Average diurnal velocity of wind in miles .<br>6 Years. |             | 115.0     |        | 89.7      |           | 81.9      |           | 95.7      |        | 126.0     |           | 223.1     |           | 271.4     |        | 219.3     |           | 189.2     |           | 86.1      |        | 92.8      |           | 114.5     |            |           |        |           |           |        |           |           |        |           |     |     |

## 103.—BANGALORE (2 observations daily).

|                                             | JANUARY.    |           |        | FEBRUARY. |           |           | MARCH.    |           |        | APRIL.    |           |           | MAY.      |           |        | JUNE.     |           |           | JULY.     |           |        | AUGUST.   |           |           | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |
|---------------------------------------------|-------------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|
|                                             | 10 hours.   | 22 hours. | Total. | 10 hours. | 22 hours. | Total.    | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total.    | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total.    | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total.    | 10 hours.  | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. |           |     |     |
| North . . . . .                             | ...         | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       |     |     |
| North-East . . . . .                        | 10          | 9         | 19     | 3         | 2         | 5         | 1         | ...       | 1      | 1         | ...       | 1         | 1         | ...       | 1      | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | 3      | 2         | 5         | 11     | 10        | 21        | 9      | 9         | 18  |     |
| East . . . . .                              | 8           | 9         | 17     | 16        | 17        | 33        | 5         | 8         | 13     | ...       | 1         | 1         | 1         | 1         | 2      | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | 1          | ...       | 1      | 3         | 5         | 8      | 4         | 5         | 9      | 13        | 14  | 27  |
| South-East . . . . .                        | 7           | 8         | 15     | 6         | 8         | 14        | 10        | 9         | 19     | 1         | ...       | 1         | 2         | 2         | 4      | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | 1          | 1         | 2      | 2         | 1         | 3      | 3         | 1         | 4      | 4         | 3   | 7   |
| South . . . . .                             | 4           | 3         | 7      | 2         | 1         | 3         | 5         | 4         | 9      | 7         | 5         | 12        | 2         | 2         | 4      | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | 1         | 1      | ...       | ...       | ...    | 2         | 3         | 5      | 1         | 1   | 2   |
| South-West . . . . .                        | 1           | 1         | 2      | 1         | ...       | 1         | 5         | 7         | 12     | 11        | 14        | 25        | 4         | 8         | 12     | 11        | 11        | 22        | 6         | 7         | 13     | 5         | 5         | 10        | 4          | 4         | 8      | 7         | 7         | 14     | 1         | 1         | 2      | ...       | 1   | 1   |
| West . . . . .                              | 1           | ...       | 1      | ...       | ...       | ...       | 5         | 3         | 8      | 9         | 10        | 19        | 16        | 14        | 30     | 18        | 19        | 37        | 22        | 22        | 44     | 24        | 25        | 49        | 23         | 23        | 46     | 15        | 15        | 30     | ...       | 1         | 1      | 1         | ... | 1   |
| North-West . . . . .                        | ...         | 1         | 1      | ...       | ...       | ...       | ...       | ...       | ...    | 1         | ...       | 1         | 5         | 4         | 9      | 1         | ...       | 1         | 3         | 2         | 5      | 2         | 1         | 3         | 1          | 1         | 2      | 1         | 1         | 2      | 8         | 7         | 15     | 2         | 2   | 4   |
| Calm . . . . .                              | ...         | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |
| Variable . . . . .                          | ...         | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |
| Resultant {                                 | Percentage  | 62        |        | 84        |           | 52        |           | 76        |        | 65        |           | 92        |           | 92        |        | 94        |           | 85        |           | 46        |        | 39        |           | 67        |            |           |        |           |           |        |           |           |        |           |     |     |
|                                             | Direction . | S. 83° E. |        | S. 78° E. |           | S. 19° E. |           | S. 50° W. |        | S. 78° W. |           | S. 74° W. |           | S. 84° W. |        | S. 85° W. |           | S. 83° W. |           | S. 76° W. |        | N. 35° E. |           | N. 76° E. |            |           |        |           |           |        |           |           |        |           |     |     |
| Mean diurnal velocity of wind in miles .    |             | 106.5     |        | 135.0     |           | 115.5     |           | 101.1     |        | 139.7     |           | 196.8     |           | 181.7     |        | 189.8     |           | 153.5     |           | 139.2     |        | 103.6     |           | 110.0     |            |           |        |           |           |        |           |           |        |           |     |     |
| Average Resultant {                         | Percentage  | 83        |        | 66        |           | 50        |           | 52        |        | 72        |           | 90        |           | 91        |        | 91        |           | 88        |           | 9         |        | 63        |           | 84        |            |           |        |           |           |        |           |           |        |           |     |     |
|                                             | Direction . | N. 88° E. |        | S. 67° E. |           | S. 22° E. |           | S. 33° W. |        | S. 71° W. |           | S. 71° W. |           | S. 71° W. |        | S. 78° W. |           | S. 82° W. |           | N. 16° W. |        | N. 60° E. |           | N. 70° E. |            |           |        |           |           |        |           |           |        |           |     |     |
| 10 Years.                                   |             |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |           |            |           |        |           |           |        |           |           |        |           |     |     |
| Average diurnal velocity of wind in miles . |             | 92.3      |        | 85.7      |           | 86.2      |           | 84.9      |        | 128.7     |           | 202.7     |           | 206.0     |        | 183.1     |           | 161.8     |           | 94.7      |        | 89.6      |           | 92.9      |            |           |        |           |           |        |           |           |        |           |     |     |
| 15-17 Years.                                |             |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |           |            |           |        |           |           |        |           |           |        |           |     |     |

## 104.—MADRAS (2 observations daily).

|                                             | JANUARY.    |           |        | FEBRUARY. |           |           | MARCH.    |           |        | APRIL.    |           |           | MAY.      |           |        | JUNE.     |           |           | JULY.     |           |        | AUGUST.   |           |           | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |     |  |  |  |  |  |
|---------------------------------------------|-------------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|-----|--|--|--|--|--|
|                                             | 12 hours.   | 24 hours. | Total. | 12 hours. | 24 hours. | Total.    | 12 hours. | 24 hours. | Total. | 12 hours. | 24 hours. | Total.    | 12 hours. | 24 hours. | Total. | 12 hours. | 24 hours. | Total.    | 12 hours. | 24 hours. | Total. | 12 hours. | 24 hours. | Total.    | 12 hours.  | 24 hours. | Total. | 12 hours. | 24 hours. | Total. | 12 hours. | 24 hours. | Total. |           |     |     |     |  |  |  |  |  |
| North . . . . .                             | 9           | 6         | 15     | 1         | ...       | 1         | ..        | ...       | ...    | ...       | ...       | ...       | 1         | ..        | 1      | ...       | ...       | ...       | ...       | 1         | 1      | 2         | ...       | ...       | ...        | ...       | ...    | ...       | 4         | 2      | 6         | 12        | 8      | 20        | 12  | 9   | 21  |  |  |  |  |  |
| North-East . . . . .                        | 13          | 14        | 27     | 12        | 13        | 25        | 1         | 1         | 2      | ...       | ...       | ...       | 1         | 1         | 2      | ...       | 1         | 1         | ...       | ...       | ...    | ...       | ...       | ...       | ...        | 1         | ...    | 3         | 8         | 11     | 9         | 13        | 22     | 12        | 16  | 28  |     |  |  |  |  |  |
| East . . . . .                              | 6           | 9         | 15     | 10        | 9         | 19        | 5         | 6         | 11     | ...       | 1         | 1         | 4         | 6         | 10     | ...       | ...       | ...       | 1         | 3         | 4      | ...       | 2         | 2         | ...        | 4         | 4      | 2         | 6         | 8      | 2         | 2         | 4      | 2         | 2   | 4   |     |  |  |  |  |  |
| South-East . . . . .                        | 3           | 2         | 5      | 2         | 5         | 7         | 13        | 19        | 32     | 11        | 21        | 32        | 6         | 13        | 19     | 1         | ...       | 1         | ...       | 4         | 4      | ...       | 3         | 3         | ...        | 5         | 5      | 2         | 3         | 5      | 1         | 2         | 3      | 1         | 3   | 4   |     |  |  |  |  |  |
| South . . . . .                             | ...         | ...       | ...    | 3         | 1         | 4         | 11        | 5         | 16     | 19        | 8         | 27        | 9         | 9         | 18     | 4         | 16        | 20        | 2         | 7         | 9      | 2         | 5         | 7         | 4          | 8         | 12     | 2         | 1         | 3      | 3         | 1         | 4      | 2         | ... | 2   |     |  |  |  |  |  |
| South-West . . . . .                        | ...         | ...       | ...    | ...       | ...       | ...       | 1         | ...       | 1      | ...       | ...       | ...       | 8         | 2         | 10     | 19        | 11        | 30        | 16        | 10        | 26     | 17        | 11        | 28        | 13         | 6         | 19     | 6         | ...       | 6      | ...       | 1         | 1      | 1         | ... | 1   |     |  |  |  |  |  |
| West . . . . .                              | ...         | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | 2         | ...       | 2      | 6         | 2         | 8         | 10        | 5         | 15     | 10        | 9         | 19        | 13         | 4         | 17     | 8         | 5         | 13     | ...       | ...       | ...    | ...       | ... | ... |     |  |  |  |  |  |
| North-West . . . . .                        | ...         | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | 1         | 1         | 2      | 2         | 1         | 3         | ...        | 3         | 3      | 4         | 6         | 10     | 3         | 3         | 6      | 1         | 1   | 2   |     |  |  |  |  |  |
| Calm . . . . .                              | ...         | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... | ... |  |  |  |  |  |
| Variable . . . . .                          | ...         | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... | ... |  |  |  |  |  |
| Resultant {                                 | Percentage  | 78        |        | 76        |           | 82        |           | 92        |        | 64        |           | 83        |           | 62        |        | 73        |           | 61        |           | 18        |        | 62        |           | 71        |            |           |        |           |           |        |           |           |        |           |     |     |     |  |  |  |  |  |
|                                             | Direction . | N. 51° E. |        | N. 77° E. |           | S. 42° E. |           | S. 25° E. |        | S. 24° E. |           | S. 34° W. |           | S. 46° W. |        | S. 54° W. |           | S. 43° W. |           | N. 26° W. |        | N. 27° E. |           | N. 34° E. |            |           |        |           |           |        |           |           |        |           |     |     |     |  |  |  |  |  |
| Mean diurnal velocity of wind in miles .    | 130.1       |           |        | 110.9     |           |           | 141.5     |           |        | 179.8     |           |           | 174.0     |           |        | 167.0     |           |           | 137.5     |           |        | 130.7     |           |           | 140.3      |           |        | 81.8      |           |        | 152.0     |           |        | 170.2     |     |     |     |  |  |  |  |  |
| Average Resultant {                         | Percentage  | 76        |        | 68        |           | 81        |           | 83        |        | 66        |           | 58        |           | 65        |        | 58        |           | 53        |           | 10        |        | 59        |           | 75        |            |           |        |           |           |        |           |           |        |           |     |     |     |  |  |  |  |  |
|                                             | Direction . | N. 48° E. |        | E.        |           | S. 50° E. |           | S. 40° E. |        | S. 15° E. |           | S. 36° W. |           | S. 46° W. |        | S. 40° W. |           | S. 36° W. |           | N. 35° E. |        | N. 24° E. |           | N. 24° E. |            |           |        |           |           |        |           |           |        |           |     |     |     |  |  |  |  |  |
| 15 Years.                                   |             |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |           |            |           |        |           |           |        |           |           |        |           |     |     |     |  |  |  |  |  |
| Average diurnal velocity of wind in miles . | 148.8       |           |        | 121.1     |           |           | 151.7     |           |        | 190.5     |           |           | 220.8     |           |        | 215.0     |           |           | 198.2     |           |        | 176.4     |           |           | 158.2      |           |        | 120.2     |           |        | 165.4     |           |        | 182.8     |     |     |     |  |  |  |  |  |
| 17 Years.                                   |             |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |           |            |           |        |           |           |        |           |           |        |           |     |     |     |  |  |  |  |  |

## 105.—SALEM (2 observations daily).

|                                            | JANUARY.   |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |  |  |           |  |  |
|--------------------------------------------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|--|--|-----------|--|--|
|                                            | 10 hours.  | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours.  | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. |           |  |  |           |  |  |
| North                                      | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |  |  |           |  |  |
| North-East                                 | 6          | 1         | 7      | 5         | 1         | 6      | 4         | 2         | 6      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |  |  |           |  |  |
| East                                       | 15         | 15        | 30     | 13        | 13        | 26     | 14        | 14        | 28     | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |  |  |           |  |  |
| South-East                                 | 9          | 14        | 23     | 10        | 13        | 23     | 13        | 15        | 28     | 3         | 1         | 4      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |  |  |           |  |  |
| South                                      | 1          | 1         | 2      | ...       | 1         | 1      | ...       | ...       | ...    | 5         | 8         | 13     | 7         | 2         | 9      | 2         | 4         | 6      | 3         | 3         | 6      | ...       | 1         | 1      | 1          | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    |           |  |  |           |  |  |
| South-West                                 | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 15        | 14        | 29     | 18        | 22        | 40     | 18        | 19        | 37     | 17        | 18        | 35     | 18        | 16        | 34     | 14         | 14        | 28     | 15        | 16        | 31     | 14        | 12        | 26     |           |  |  |           |  |  |
| West                                       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 6         | 7         | 13     | 6         | 7         | 13     | 9         | 7         | 16     | 10        | 10        | 20     | 13        | 13        | 26     | 9          | 15        | 24     | 12        | 14        | 26     | 13        | 14        | 27     |           |  |  |           |  |  |
| North-West                                 | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 1         | ...       | 1      | ...       | ...       | ...    | 1         | ...       | 1      | 1         | ...       | 1      | ...       | 1         | 1      | 5          | ...       | 5      | 4         | 1         | 5      | 1         | 1         | 2      |           |  |  |           |  |  |
| Calm                                       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |  |  |           |  |  |
| Variable                                   | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |  |  |           |  |  |
| Resultant                                  | Percentage |           |        | 85        |           |        | 86        |           |        | 88        |           |        | 79        |           |        | 90        |           |        | 89        |           |        | 88        |           |        | 91         |           |        | 82        |           |        | 89        |           |        | 83        |  |  | 39        |  |  |
|                                            | Direction  |           |        | S. 75° E. |           |        | S. 74° E. |           |        | S. 73° E. |           |        | S. 41° W. |           |        | S. 48° W. |           |        | S. 54° W. |           |        | S. 57° W. |           |        | S. 64° W.  |           |        | S. 69° W. |           |        | S. 70° W. |           |        | S. 66° W. |  |  | S. 4° W.  |  |  |
| Mean diurnal velocity of wind in miles     |            |           |        | 84.1      |           |        | 90.8      |           |        | 83.6      |           |        | 81.0      |           |        | 72.2      |           |        | 67.9      |           |        | 70.4      |           |        | 71.3       |           |        | 63.9      |           |        | 66.1      |           |        | 78.5      |  |  | 63.8      |  |  |
| Average Resultant                          | Percentage |           |        | 58        |           |        | 49        |           |        | 34        |           |        | 37        |           |        | 64        |           |        | 82        |           |        | 80        |           |        | 79         |           |        | 79        |           |        | 32        |           |        | 35        |  |  | 52        |  |  |
|                                            | Direction  |           |        | N. 88° E. |           |        | S. 79° E. |           |        | S. 46° E. |           |        | S. 14° W. |           |        | S. 55° W. |           |        | S. 62° W. |           |        | S. 61° W. |           |        | S. 61° W.  |           |        | S. 68° W. |           |        | S. 41° W. |           |        | S. 89° E. |  |  | N. 83° E. |  |  |
| Average diurnal velocity of wind in miles. |            |           |        | 123.6     |           |        | 136.7     |           |        | 133.8     |           |        | 120.2     |           |        | 105.6     |           |        | 118.5     |           |        | 113.2     |           |        | 101.3      |           |        | 91.0      |           |        | 67.0      |           |        | 81.0      |  |  | 97.6      |  |  |



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108.—COIMBATORE (*2 observations daily*).

|                                                      | JANUARY.            |           |        | FEBRUARY. |           |           | MARCH.    |           |        | APRIL.    |           |           | MAY.      |           |        | JUNE.     |           |           | JULY.     |           |        | AUGUST.   |           |           | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |
|------------------------------------------------------|---------------------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|
|                                                      | 10 hours.           | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |
| North . . .                                          | 12                  | 4         | 16     | 6         | 2         | 8         | 8         | ...       | 8      | 4         | 3         | 7         | 2         | 2         | 4      | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | 1          | ...       | 1      | 2         | 2         | 4      | 4         | ...       | 4      |           |     |     |
| North-East . . .                                     | 15                  | 9         | 24     | 17        | 12        | 29        | 10        | 4         | 14     | 6         | 2         | 8         | ...       | 1         | 1      | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | 3         | 3          | 6         | 6      | 4         | 10        | 13     | 6         | 19        |        |           |     |     |
| East . . .                                           | 4                   | 9         | 13     | 4         | 11        | 15        | 6         | 12        | 18     | 1         | 6         | 7         | 3         | 1         | 4      | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | 3         | 5          | 8         | 11     | 6         | 17        | 11     | 18        | 29        |        |           |     |     |
| South-East . . .                                     | ...                 | 7         | 7      | ...       | 2         | 2         | 3         | 8         | 11     | 6         | 8         | 14        | 4         | ...       | 4      | 1         | ...       | 1         | 1         | ...       | 1      | 2         | 1         | 3         | 4          | 1         | 5      | 5         | 1         | 6      | 3         | 2         | 5      | 1         | 4   | 5   |
| South . . .                                          | ...                 | ...       | ...    | ...       | 1         | 1         | 3         | 4         | 7      | 5         | 5         | 10        | 5         | 8         | 13     | 16        | 8         | 24        | 13        | 11        | 24     | 18        | 9         | 27        | 16         | 12        | 28     | 10        | 9         | 19     | 4         | 7         | 11     | 1         | 2   | 3   |
| South-West . . .                                     | ...                 | 2         | 2      | ...       | ...       | ...       | ...       | 2         | 2      | 6         | 5         | 11        | 13        | 15        | 28     | 12        | 19        | 31        | 13        | 14        | 27     | 9         | 19        | 28        | 9          | 15        | 24     | 6         | 10        | 16     | 2         | 5         | 7      | 1         | 1   | 2   |
| West . . .                                           | ...                 | ...       | ...    | 1         | ...       | 1         | ...       | ...       | ...    | 2         | 1         | 3         | 1         | 4         | 5      | 1         | 3         | 4         | 4         | 5         | 9      | 2         | 1         | 3         | ...        | 2         | 2      | 3         | 3         | 6      | ...       | 1         | 1      | ...       | ... | ... |
| North-West . . .                                     | ...                 | ...       | ...    | ...       | ...       | ...       | 1         | 1         | 2      | ...       | ...       | ...       | 3         | ...       | 3      | ...       | ...       | ...       | 1         | 1         | ...    | 1         | 1         | 1         | ...        | 1         | ...    | ...       | ...       | ...    | 2         | 3         | 5      | ...       | ... | ... |
| Calm . . .                                           | ...                 | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |     |
| Variable . . .                                       | ...                 | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |     |
| Resultant {                                          | Percentage          | 69        |        | 79        |           | 53        |           | 32        |        | 56        |           | 88        |           | 83        |        | 85        |           | 84        |           | 47        |        | 31        |           | 73        |            |           |        |           |           |        |           |           |        |           |     |     |
|                                                      | Direction .         | N. 52° E. |        | N. 54° E. |           | N. 85° E. |           | S. 38° E. |        | S. 34° W. |           | S. 28° W. |           | S. 33° W. |        | S. 24° W. |           | S. 19° W. |           | S. 2° W.  |        | S. 75° E. |           | N. 78° E. |            |           |        |           |           |        |           |           |        |           |     |     |
| Mean diurnal velocity of wind in miles.              |                     | 59°0      |        | 80°6      |           | 78°3      |           | 73°0      |        | 97°7      |           | 145°0     |           | 139°1     |        | 133°5     |           | 106°9     |           | 82°8      |        | 57°9      |           | 71°3      |            |           |        |           |           |        |           |           |        |           |     |     |
| Average Resultant {                                  | Percentage          | 78        |        | 74        |           | 53        |           | 53        |        | 69        |           | 82        |           | 84        |        | 85        |           | 81        |           | 43        |        | 49        |           | 75        |            |           |        |           |           |        |           |           |        |           |     |     |
|                                                      | Direction 10 Years. | N. 74° E. |        | N. 82° E. |           | S. 76° E. |           | S. 21° E. |        | S. 17° W. |           | S. 41° W. |           | S. 44° W. |        | S. 33° W. |           | S. 34° W. |           | S. 8° E.  |        | N. 78° E. |           | N. 69° E. |            |           |        |           |           |        |           |           |        |           |     |     |
| Average diurnal velocity of wind in miles. 17 Years. |                     | 75°0      |        | 77°2      |           | 79°3      |           | 83°3      |        | 125°6     |           | 186°7     |           | 198°5     |        | 178°3     |           | 159°7     |           | 83°1      |        | 63°3      |           | 73°7      |            |           |        |           |           |        |           |           |        |           |     |     |

109.—TRICHINOPOLY (2 observations daily).

|                                                         |  |  | JANUARY.      |           |           | FEBRUARY. |           |          | MARCH.    |           |           | APRIL.    |           |           | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |  |  |
|---------------------------------------------------------|--|--|---------------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|--|--|
|                                                         |  |  | 10 hours.     | 22 hours. | Total.    | 10 hours. | 22 hours. | Total.   | 10 hours. | 22 hours. | Total.    | 10 hours. | 22 hours. | Total.    | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours.  | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. |           |  |  |
| North . . .                                             |  |  | Not recorded. |           |           |           |           |          |           |           |           |           |           |           |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |  |  |
| North-East . . .                                        |  |  |               |           |           |           |           |          |           |           |           |           |           |           |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |  |  |
| East . . .                                              |  |  |               |           |           |           |           |          |           |           |           |           |           |           |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |  |  |
| South-East . . .                                        |  |  |               |           |           |           |           |          |           |           |           |           |           |           |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |  |  |
| South . . .                                             |  |  |               |           |           |           |           |          |           |           |           |           |           |           |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |  |  |
| South-West . . .                                        |  |  |               |           |           |           |           |          |           |           |           |           |           |           |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |  |  |
| West . . .                                              |  |  |               |           |           |           |           |          |           |           |           |           |           |           |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |  |  |
| North-West . . .                                        |  |  |               |           |           |           |           |          |           |           |           |           |           |           |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |  |  |
| Calm . . .                                              |  |  |               |           |           |           |           |          |           |           |           |           |           |           |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |  |  |
| Variable . . .                                          |  |  |               |           |           |           |           |          |           |           |           |           |           |           |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |  |  |
| Resultant {                                             |  |  | Percentage    | ...       | ...       | ...       | ...       | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       |        |           |  |  |
|                                                         |  |  | Direction .   | ...       | ...       | ...       | ...       | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |  |  |
| Mean diurnal velocity of wind in miles .                |  |  | ...           | ...       | ..        | ...       | ...       | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       |           |        |           |  |  |
| Average Resultant {                                     |  |  | Percentage    | 78        | 74        | 50        | 18        | 61       | 84        | 79        | 83        | 80        | 36        | 51        | 75        |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |  |  |
|                                                         |  |  | Direction .   | N. 45° E. | N. 65° E. | S. 85° E. | S. 50° E. | S 80° W. | N. 88° W. | S. 89° W. | N. 81° W. | N. 80° W. | N. 45° W. | N. 27° E. | N. 39° E. |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |  |  |
| Average diurnal velocity of wind in miles. 14-16 Years. |  |  | 113'3         | 95'9      | 89'8      | 93'3      | 137'4     | 219'1    | 231'6     | 197'9     | 167'6     | 90'6.     | 101'3     | 117'9     |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |  |  |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 110.—NEGAPATAM (2 observations daily).

|                                                         | JANUARY.   |           |           | FEBRUARY. |           |           | MARCH.    |           |           | APRIL.    |           |           | MAY.      |           |           | JUNE.     |           |           | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |   |
|---------------------------------------------------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|---|
|                                                         | 10 hours.  | 22 hours. | Total.    | 10 hours. | 22 hours. | Total.    | 10 hours. | 22 hours. | Total.    | 10 hours. | 22 hours. | Total.    | 10 hours. | 22 hours. | Total.    | 10 hours. | 22 hours. | Total.    | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours.  | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. |           |     |   |
| North                                                   | 2          | ...       | 2         | 2         | ...       | 2         | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...    | ...        | 1         | ...    | 1         | 3         | 1      | 4         | 3         | ...    | 3         |     |   |
| North-East                                              | 28         | 28        | 56        | 19        | 22        | 41        | 2         | 2         | 4         | ...       | ...       | ...       | 1         | 1         | 2         | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...    | ...        | 4         | 5      | 9         | 14        | 19     | 33        | 21        | 26     | 47        |     |   |
| East                                                    | 1          | 3         | 4         | 4         | 4         | 8         | 11        | 8         | 19        | 1         | ...       | 1         | 2         | 1         | 3         | ...       | ...       | ...       | 2         | ...       | 2      | ...       | ...       | ...    | ...        | 1         | 2      | 3         | 1         | 3      | 4         | 1         | 1      | 2         |     |   |
| South-East                                              | ...        | ...       | ...       | 3         | 2         | 5         | 14        | 18        | 32        | 21        | 19        | 40        | 4         | 3         | 7         | ...       | 2         | 2         | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | 2      | 2         | ...       | ...    | ...       | 1         | 1      | 2         |     |   |
| South                                                   | ...        | ...       | ...       | ...       | ...       | ...       | 3         | 3         | 6         | 2         | 5         | 7         | 1         | 7         | 8         | ...       | 6         | 6         | ...       | 7         | 7      | ...       | ...       | ...    | ...        | 6         | 6      | ...       | 5         | 5      | ...       | 1         | 1      | ...       |     |   |
| South-West                                              | ...        | ...       | ...       | ...       | ...       | ...       | 1         | ...       | 1         | 6         | 6         | 12        | 15        | 14        | 29        | 22        | 18        | 40        | 15        | 18        | 33     | 17        | 24        | 41     | 23         | 21        | 44     | 7         | 11        | 18     | 4         | 3         | 7      | ...       | 1   | 1 |
| West                                                    | ...        | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | 6         | 5         | 11        | 7         | 4         | 11        | 14        | 6         | 20     | 13        | 7         | 20     | 5          | 3         | 8      | 13        | 5         | 18     | 2         | 3         | 5      | ...       | 1   | 1 |
| North-West                                              | ...        | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | 2         | ...       | 2         | 1         | ...       | 1         | ...       | ...       | ...    | 1         | ...       | 1      | 2          | ...       | 2      | 5         | 1         | 6      | 6         | ...       | 6      | 5         | 1   | 6 |
| Calm                                                    | ...        | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |   |
| Variable                                                | ...        | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |   |
| Resultant                                               | Percentage |           | 97        | 87        |           | 83        | 81        |           | 62        | 87        |           | 83        | 92        |           | 90        | 41        |           | 48        | 79        |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |   |
|                                                         | Direction  |           | N. 46° E. | N. 56° E. |           | S. 59° E. | S. 25° E. |           | S. 38° W. | S. 48° W. |           | S. 54° W. | S. 60° W. |           | S. 49° W. | S. 73° W. |           | N. 27° E. | N. 39° E. |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |   |
| Mean diurnal velocity of wind in miles                  |            |           | 98.3      | 73.4      |           |           | 131.1     |           |           | 266.7     |           |           | 366.6     |           |           | 528.3     |           |           | 132.3     |           |        | 88.6      |           |        | 87.1       |           |        | 91.9      |           |        | 124.6     |           |        | 153.0     |     |   |
| Resultant                                               | Percentage |           | 90        | 79        |           | 70        | 79        |           | 69        | 90        |           | 88        | 87        |           | 86        | 30        |           | 49        | 85        |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |   |
|                                                         | Direction  |           | N. 47° E. | N. 65° E. |           | S. 61° E. | S. 36° E. |           | S. 11° W. | S. 45° W. |           | S. 49° W. | S. 48° W. |           | S. 44° W. | S. 51° W. |           | N. 34° E. | N. 38° E. |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |   |
| Average diurnal velocity of wind in miles. 10 Years.    |            |           | 129.5     | 82.6      |           |           | 84.9      |           |           | 124.0     |           |           | 177.5     |           |           | 203.1     |           |           | 171.8     |           |        | 138.5     |           |        | 123.1      |           |        | 88.5      |           |        | 125.8     |           |        | 162.2     |     |   |
| Average diurnal velocity of wind in miles. 15-16 Years. |            |           | 129.5     | 82.6      |           |           | 84.9      |           |           | 124.0     |           |           | 177.5     |           |           | 203.1     |           |           | 171.8     |           |        | 138.5     |           |        | 123.1      |           |        | 88.5      |           |        | 125.8     |           |        | 162.2     |     |   |

## 111.—MADURA (2 observations daily).

|                                                      | JANUARY.    |           |        | FEBRUARY. |           |           | MARCH.    |           |        | APRIL.    |           |           | MAY.      |           |        | JUNE.     |           |           | JULY.     |           |        | AUGUST.   |           |           | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |    |
|------------------------------------------------------|-------------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|----|
|                                                      | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |    |
| North . . .                                          | 13          | 7         | 20     | 10        | 10        | 20        | 7         | 4         | 11     | 1         | 1         | 2         | 8         | 5         | 13     | 2         | 1         | 3         | 1         | ...       | 1      | 4         | 4         | 8         | 7          | 4         | 11     | 8         | 2         | 10     | 7         | 5         | 12     | 12        | 9   | 21 |
| North-East . . .                                     | 10          | 6         | 16     | 10        | 9         | 19        | 7         | 4         | 11     | 1         | ...       | 1         | 1         | 2         | 3      | ...       | ...       | ...       | ...       | 1         | 1      | ...       | 1         | 1         | ...        | 2         | 2      | 1         | 1         | 2      | 8         | 6         | 14     | 13        | 8   | 21 |
| East . . .                                           | ...         | 5         | 5      | 2         | 2         | 4         | 5         | 6         | 11     | 1         | 4         | 5         | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | 1          | 1         | ...    | 2         | 2         | 2      | 4         | 6         | 1      | 6         | 7   |    |
| South-East . . .                                     | 1           | 12        | 13     | 2         | 6         | 8         | 3         | 12        | 15     | 5         | 11        | 16        | 2         | 2         | 4      | ...       | 2         | 2         | ...       | ...       | ...    | ...       | ...       | ...       | 5          | 5         | ...    | 8         | 8         | 3      | 10        | 13        | 1      | 6         | 7   |    |
| South . . .                                          | ...         | ...       | ...    | 1         | ...       | 1         | ...       | ...       | ...    | 4         | 4         | 8         | 2         | 5         | 7      | 3         | 6         | 9         | 2         | 4         | 6      | ...       | 3         | 3         | ...        | 1         | 1      | 1         | 2         | 3      | ...       | ...       | ...    | ...       | ... |    |
| South-West . . .                                     | ...         | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | 4         | 1         | 5         | 2         | 1         | 3      | 14        | 12        | 26        | 8         | 12        | 20     | 3         | 9         | 12        | 4          | 4         | 8      | 4         | 4         | 8      | ...       | 1         | 1      | ...       | ... |    |
| West . . .                                           | ...         | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | 1         | 1      | ...       | ...       | ...       | 2         | 1         | 3      | ...       | ...       | ...       | 1          | 1         | 1      | ...       | 1         | ...    | ...       | ...       | ...    | ...       |     |    |
| North-West . . .                                     | 2           | ...       | 2      | 1         | ...       | 1         | ...       | ...       | ...    | ...       | ...       | ...       | 8         | 5         | 13     | 5         | 1         | 6         | 7         | 2         | 9      | 14        | 6         | 20        | 11         | 3         | 14     | 9         | 1         | 10     | 4         | ...       | 4      | 1         | ... |    |
| Calm . . .                                           | 5           | 1         | 6      | 2         | 1         | 3         | 9         | 5         | 14     | 14        | 9         | 23        | 8         | 10        | 18     | 6         | 8         | 14        | 11        | 11        | 22     | 10        | 8         | 18        | 8          | 9         | 17     | 7         | 11        | 18     | 6         | 4         | 10     | 3         | 2   | 5  |
| Variable . . .                                       | ...         | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |
| Resultant {                                          | Percentage. | 54        |        | 63        |           | 49        |           | 40        |        | 23        |           | 50        |           | 42        |        | 40        |           | 27        |           | 10        |        | 44        |           | 66        |            |           |        |           |           |        |           |           |        |           |     |    |
|                                                      | Direction . | N. 46° E. |        | N. 39° E. |           | N. 74° E. |           | S. 34° E. |        | N. 31° W. |           | S. 45° W. |           | S. 62° W. |        | N. 63° W. |           | N. 41° W. |           | N. 48° W. |        | N. 56° E. |           | N. 40° E. |            |           |        |           |           |        |           |           |        |           |     |    |
| Mean diurnal velocity of wind in miles .             |             | 79.2      |        | 95.1      |           | 70.9      |           | 60.8      |        | 57.9      |           | 63.1      |           | 57.8      |        | 44.2      |           | 48.6      |           | 43.6      |        | 53.9      |           | 82.8      |            |           |        |           |           |        |           |           |        |           |     |    |
| Average Resultant {                                  | Percentage  | 63        |        | 82        |           | 74        |           | 67        |        | 59        |           | 75        |           | 86        |        | 86        |           | 81        |           | 66        |        | 42        |           | 49        |            |           |        |           |           |        |           |           |        |           |     |    |
|                                                      | Direction . | N. 56° E. |        | N. 72° E. |           | N. 87° E. |           | S. 31° E. |        | S. 15° W. |           | S. 75° W. |           | N. 79° W. |        | N. 73° W. |           | N. 72° W. |           | N. 71° W. |        | N. 24° W. |           | N. 38° E. |            |           |        |           |           |        |           |           |        |           |     |    |
| Average diurnal velocity of wind in miles. 17 Years. |             | 131.9     |        | 120.5     |           | 99.9      |           | 86.0      |        | 89.6      |           | 118.1     |           | 110.9     |        | 90.1      |           | 82.3      |           | 69.4      |        | 93.4      |           | 116.9     |            |           |        |           |           |        |           |           |        |           |     |    |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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## 112.—COCHIN (2 observations daily).

|                                                      | JANUARY.      |           |          | FEBRUARY. |           |           | MARCH.    |           |           | APRIL.    |           |           | MAY.      |           |           | JUNE.     |           |           | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |    |
|------------------------------------------------------|---------------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|----|
|                                                      | 10 hours.     | 22 hours. | Total.   | 10 hours. | 22 hours. | Total.    | 10 hours. | 22 hours. | Total.    | 10 hours. | 22 hours. | Total.    | 10 hours. | 22 hours. | Total.    | 10 hours. | 22 hours. | Total.    | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours.  | 22 hours. | Total. | 10 hours. | 22 hours. | Total. | 10 hours. | 22 hours. | Total. |           |     |    |
| North                                                | 5             | 2         | 7        | 2         | ...       | 2         | 4         | 3         | 7         | ...       | 1         | 1         | 4         | 1         | 5         | 3         | 3         | 6         | 3         | 3         | 6      | 2         | 1         | 3      | 1          | 2         | 3      | 6         | 2         | 8      | 3         | 1         | 4      | 8         | ... | 8  |
| North-East                                           | 11            | 1         | 12       | 7         | ...       | 7         | 1         | ...       | 1         | 5         | ...       | 5         | 3         | 1         | 4         | 2         | ...       | 2         | 1         | ...       | 1      | 1         | ...       | 1      | ...        | ...       | ...    | 3         | 1         | 4      | 3         | 1         | 4      | 5         | ... | 5  |
| East                                                 | 9             | 1         | 10       | 5         | ...       | 5         | 2         | ...       | 2         | ...       | ...       | ...       | 3         | ...       | 3         | 2         | 2         | 4         | 2         | ...       | 2      | ...       | ...       | ...    | 1          | ...       | 1      | 1         | ...       | 1      | 7         | ...       | 7      | 5         | ... | 5  |
| South-East                                           | 2             | 1         | 3        | 6         | ...       | 6         | 1         | 1         | 2         | 1         | ...       | 1         | 6         | 4         | 10        | 7         | ...       | 7         | 1         | ...       | 1      | ...       | ...       | ...    | 1          | ...       | 1      | 2         | ...       | 2      | 6         | 1         | 7      | 6         | ... | 6  |
| South                                                | ...           | 3         | 3        | ...       | 2         | 2         | 1         | 1         | 2         | 1         | 1         | 2         | 3         | 3         | 6         | 1         | ...       | 1         | 1         | 2         | 3      | ...       | ...       | ...    | 1          | 1         | 2      | 1         | 3         | 4      | 1         | 5         | 6      | ...       | 5   |    |
| South-West                                           | ...           | 9         | 9        | ...       | 9         | 9         | 2         | 9         | 11        | 4         | 9         | 13        | 2         | 7         | 9         | 10        | 10        | 20        | 11        | 5         | 16     | 8         | 2         | 10     | 8          | 6         | 14     | 6         | 6         | 12     | 3         | 7         | 10     | 2         | 11  | 13 |
| West                                                 | ...           | 7         | 7        | 2         | 9         | 11        | 4         | 12        | 16        | 4         | 9         | 13        | 2         | 8         | 10        | 2         | 9         | 11        | 3         | 8         | 11     | 7         | 11        | 18     | 6          | 7         | 13     | 3         | 11        | 14     | 1         | 10        | 11     | ...       | 10  |    |
| North-West                                           | 4             | 7         | 11       | 6         | 8         | 14        | 16        | 5         | 21        | 15        | 10        | 25        | 8         | 7         | 15        | 3         | 6         | 9         | 9         | 13        | 22     | 13        | 17        | 30     | 12         | 14        | 26     | 9         | 8         | 17     | 6         | 5         | 11     | 5         | 5   | 10 |
| Calm                                                 | ...           | ...       | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |
| Variable                                             | ...           | ...       | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... |    |
| Resultant                                            | Percentage    |           | 19       | 25        |           | 59        | 62        |           | 23        | 37        |           | 57        | 79        |           | 68        | 49        |           | 19        | 22        |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |
|                                                      | Direction     |           | N. 3° W. | N. 72° W. |           | N. 72° W. | N. 74° W. |           | S. 86° W. | S. 73° W. |           | N. 78° W. | N. 69° W. |           | N. 78° W. | N. 73° W. |           | S. 73° W. | N. 89° W. |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |
| Mean diurnal velocity of wind in miles               | Not recorded. |           |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |
| Average Resultant                                    | Percentage    |           | 24       | 26        |           | 44        | 53        |           | 52        | 50        |           | 51        | 57        |           | 61        | 42        |           | 28        | 24        |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |
|                                                      | Direction     |           | S. 6° E. | S. 74° W. |           | W.        | N. 89° W. |           | S. 84° W. | S. 72° W. |           | S. 78° W. | S. 85° W. |           | N. 89° W. | S. 70° W. |           | S. 33° W. | S. 29° W. |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |
| Average diurnal velocity of wind in miles. 10 Years. |               |           |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |
| Average diurnal velocity of wind in miles. 3 Years.  |               |           |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |

## 113.—COLOMBO (2 observations daily).

|                                            | JANUARY.   |            |          | FEBRUARY. |            |           | MARCH.    |            |        | APRIL.    |            |           | MAY.      |            |        | JUNE.     |            |           | JULY.     |            |        | AUGUST.   |            |          | SEPTEMBER. |            |        | OCTOBER.  |            |        | NOVEMBER. |            |        | DECEMBER. |  |  |  |
|--------------------------------------------|------------|------------|----------|-----------|------------|-----------|-----------|------------|--------|-----------|------------|-----------|-----------|------------|--------|-----------|------------|-----------|-----------|------------|--------|-----------|------------|----------|------------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|--|--|--|
|                                            | 9½ hours.  | 15½ hours. | Total.   | 9½ hours. | 15½ hours. | Total.    | 9½ hours. | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total.    | 9½ hours. | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total.    | 9½ hours. | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total.   | 9½ hours.  | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. |           |  |  |  |
| North                                      | ...        | ...        | ...      | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...      | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |  |  |  |
| North-East                                 | ...        | ...        | ...      | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...      | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |  |  |  |
| East                                       | ...        | ...        | ...      | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...      | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |  |  |  |
| South-East                                 | ...        | ...        | ...      | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...      | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |  |  |  |
| South                                      | ...        | ...        | ...      | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...      | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |  |  |  |
| South-West                                 | ...        | ...        | ...      | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...      | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |  |  |  |
| West                                       | ...        | ...        | ...      | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...      | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |  |  |  |
| North-West                                 | ...        | ...        | ...      | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...      | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |  |  |  |
| Calm                                       | ...        | ...        | ...      | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...      | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |  |  |  |
| Variable                                   | ...        | ...        | ...      | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...      | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |  |  |  |
| Resultant                                  | Percentage |            | ...      | ...       |            | ...       | ...       |            | ...    | ...       |            | ...       | ...       |            | ...    | ...       |            | ...       | ...       |            | ...    | ...       |            | ...      | ...        |            | ...    | ...       |            | ...    | ...       |            | ...    |           |  |  |  |
|                                            | Direction  |            | ...      | ...       |            | ...       | ...       |            | ...    | ...       |            | ...       | ...       |            | ...    | ...       |            | ...       | ...       |            | ...    | ...       |            | ...      | ...        |            | ...    | ...       |            | ...    | ...       |            | ...    |           |  |  |  |
| Mean diurnal velocity of wind in miles     | 232.1      |            |          | 208.0     |            |           | 155.6     |            |        | 165.2     |            |           | 239.2     |            |        | 334.4     |            |           | 225.5     |            |        | 231.6     |            |          | 248.7      |            |        | 230.2     |            |        | 188.5     |            |        | 235.4     |  |  |  |
| Average Resultant                          | Percentage |            | 55       | 46        |            | 51        |           | 62         |        | 75        |            | 85        |           | 85         |        | 84        |            | 87        |           | 74         |        | 45        |            | 56       |            |            |        |           |            |        |           |            |        |           |  |  |  |
|                                            | Direction  |            | N. 3° W. | N. 39° W. |            | N. 85° W. |           | S. 67° W.  |        | S. 54° W. |            | S. 73° W. |           | S. 74° W.  |        | S. 71° W. |            | S. 73° W. |           | S. 75° W.  |        | N. 66° W. |            | N. 1° E. |            |            |        |           |            |        |           |            |        |           |  |  |  |
| 11 Years.                                  |            |            |          |           |            |           |           |            |        |           |            |           |           |            |        |           |            |           |           |            |        |           |            |          |            |            |        |           |            |        |           |            |        |           |  |  |  |
| Average diurnal velocity of wind in miles. | 199.8      |            |          | 143.9     |            |           | 118.0     |            |        | 131.8     |            |           | 199.5     |            |        | 243.4     |            |           | 212.4     |            |        | 205.7     |            |          | 204.8      |            |        | 175.0     |            |        | 137.9     |            |        | 187.2     |  |  |  |
| 16-17 Years.                               |            |            |          |           |            |           |           |            |        |           |            |           |           |            |        |           |            |           |           |            |        |           |            |          |            |            |        |           |            |        |           |            |        |           |  |  |  |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 114.—JAFFNA (2 observations daily).

|                                                      | JANUARY.   |            |           | FEBRUARY. |            |           | MARCH.    |            |           | APRIL.    |            |           | MAY.      |            |           | JUNE.     |            |           | JULY.     |            |        | AUGUST.   |            |        | SEPTEMBER. |            |        | OCTOBER.  |            |        | NOVEMBER. |  |  | DECEMBER. |  |  |
|------------------------------------------------------|------------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|--------|-----------|------------|--------|------------|------------|--------|-----------|------------|--------|-----------|--|--|-----------|--|--|
|                                                      | 9½ hours.  | 15½ hours. | Total.    | 9½ hours. | 15½ hours. | Total.    | 9½ hours. | 15½ hours. | Total.    | 9½ hours. | 15½ hours. | Total.    | 9½ hours. | 15½ hours. | Total.    | 9½ hours. | 15½ hours. | Total.    | 9½ hours. | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. | 9½ hours.  | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. |           |  |  |           |  |  |
| North                                                | ...        | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       |  |  |           |  |  |
| North-East                                           | ...        | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       |  |  |           |  |  |
| East                                                 | ...        | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       |  |  |           |  |  |
| South-East                                           | ...        | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       |  |  |           |  |  |
| South                                                | ...        | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       |  |  |           |  |  |
| South-West                                           | ...        | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       |  |  |           |  |  |
| West                                                 | ...        | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       |  |  |           |  |  |
| North-West                                           | ...        | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       |  |  |           |  |  |
| Calm                                                 | ...        | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       |  |  |           |  |  |
| Variable                                             | ...        | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       |  |  |           |  |  |
| Resultant                                            | Percentage |            | ...       | ...       |            | ...       | ...       |            | ...       | ...       |            | ...       | ...       |            | ...       | ...       |            | ...       | ...       |            | ...    | ...       |            | ...    | ...        |            | ...    | ...       |            | ...    | ...       |  |  |           |  |  |
|                                                      | Direction  |            | ...       | ...       |            | ...       | ...       |            | ...       | ...       |            | ...       | ...       |            | ...       | ...       |            | ...       | ...       |            | ...    | ...       |            | ...    | ...        |            | ...    | ...       |            | ...    | ...       |  |  |           |  |  |
| Mean diurnal velocity of wind in miles               | 76.9       |            |           | 77.0      |            |           | 135.8     |            |           | 214.4     |            |           | 332.5     |            |           | 148.0     |            |           | 313.1     |            |        | 332.0     |            |        | 353.7      |            |        | 291.9     |            |        | 104.9     |  |  | 78.7      |  |  |
| Average Resultant                                    | Percentage |            | 82        | 66        |            | 38        | 49        |            | 83        | 96        |            | 93        | 93        |            | 94        | 61        |            | 36        | 69        |            | ...    |           | ...        |        | ...        |            | ...    |           | ...        |        | ...       |  |  |           |  |  |
|                                                      | Direction  |            | N. 43° E. | N. 51° E. |            | S. 69° E. | S. 10° W. |            | S. 39° W. | S. 43° W. |            | S. 42° W. | S. 41° W. |            | S. 44° W. | S. 49° W. |            | N. 28° E. | N. 34° E. |            | ...    |           | ...        |        | ...        |            | ...    |           | ...        |        | ...       |  |  |           |  |  |
| Average diurnal velocity of wind in miles. 16 Years. | 80.6       |            |           | 73.2      |            |           | 99.2      |            |           | 56.3      |            |           | 277.0     |            |           | 308.6     |            |           | 300.7     |            |        | 291.7     |            |        | 286.1      |            |        | 177.0     |            |        | 74.9      |  |  | 86.4      |  |  |

## 115.—TRINCOMALEE (2 observations daily).

|                                                            | JANUARY.   |            |           | FEBRUARY. |            |           | MARCH.    |            |           | APRIL.    |            |           | MAY.      |            |           | JUNE.     |            |           | JULY.     |            |        | AUGUST.   |            |        | SEPTEMBER. |            |        | OCTOBER.  |            |        | NOVEMBER. |            |        | DECEMBER. |  |  |
|------------------------------------------------------------|------------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|--------|-----------|------------|--------|------------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|--|--|
|                                                            | 9½ hours.  | 15½ hours. | Total.    | 9½ hours. | 15½ hours. | Total.    | 9½ hours. | 15½ hours. | Total.    | 9½ hours. | 15½ hours. | Total.    | 9½ hours. | 15½ hours. | Total.    | 9½ hours. | 15½ hours. | Total.    | 9½ hours. | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. | 9½ hours.  | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. |           |  |  |
| North                                                      | ...        | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |  |  |
| North-East                                                 | ...        | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |  |  |
| East                                                       | ...        | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |  |  |
| South-East                                                 | ...        | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |  |  |
| South                                                      | ...        | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |  |  |
| South-West                                                 | ...        | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |  |  |
| West                                                       | ...        | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |  |  |
| North-West                                                 | ...        | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |  |  |
| Calm                                                       | ...        | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |  |  |
| Variable                                                   | ...        | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...       | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |  |  |
| Resultant                                                  | Percentage |            | ...       | ...       |            | ...       | ...       |            | ...       | ...       |            | ...       | ...       |            | ...       | ...       |            | ...       | ...       |            | ...    | ...       |            | ...    | ...        |            | ...    | ...       |            | ...    | ...       |            | ...    |           |  |  |
|                                                            | Direction  |            | ...       | ...       |            | ...       | ...       |            | ...       | ...       |            | ...       | ...       |            | ...       | ...       |            | ...       | ...       |            | ...    | ...       |            | ...    | ...        |            | ...    | ...       |            | ...    | ...       |            | ...    |           |  |  |
| Mean diurnal velocity of wind in miles                     | 263.7      |            |           | 282.9     |            |           | 203.8     |            |           | 120.7     |            |           | 142.7     |            |           | 177.3     |            |           | 170.9     |            |        | 164.5     |            |        | 185.5      |            |        | 173.8     |            |        | 205.1     |            |        | 269.0     |  |  |
| Average Resultant                                          | Percentage |            | 71        | 74        |            | 69        | 55        |            | 61        | 89        |            | 82        | 67        |            | 66        | 32        |            | 35        | 66        |            | ...    | ...       |            | ...    | ...        |            | ...    | ...       |            | ...    | ...       |            | ...    |           |  |  |
|                                                            | Direction  |            | N. 43° E. | N. 57° E. |            | S. 78° E. | S. 54° E. |            | S. 32° W. | S. 51° W. |            | S. 50° W. | S. 52° W. |            | S. 51° W. | S. 51° W. |            | N. 23° E. | N. 28° E. |            | ...    | ...       |            | ...    | ...        |            | ...    | ...       |            | ...    | ...       |            | ...    |           |  |  |
| Average diurnal velocity of wind in miles.<br>11 Years.    | 254.5      |            |           | 211.8     |            |           | 188.3     |            |           | 219.1     |            |           | 326.8     |            |           | 445.3     |            |           | 435.9     |            |        | 372.6     |            |        | 359.8      |            |        | 242.7     |            |        | 163.5     |            |        | 220.5     |  |  |
| Average diurnal velocity of wind in miles.<br>15-17 Years. | 254.5      |            |           | 211.8     |            |           | 188.3     |            |           | 219.1     |            |           | 326.8     |            |           | 445.3     |            |           | 435.9     |            |        | 372.6     |            |        | 359.8      |            |        | 242.7     |            |        | 163.5     |            |        | 220.5     |  |  |



TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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## 116.—BATTICALOA (2 observations daily).

|                                                         | JANUARY.      |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |       |  |           |  |  |
|---------------------------------------------------------|---------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-------|--|-----------|--|--|
|                                                         | 9½ hours.     | 1½ hours. | Total. | 9½ hours. | 1½ hours. | Total. | 9½ hours. | 1½ hours. | Total. | 9½ hours. | 1½ hours. | Total. | 9½ hours. | 1½ hours. | Total. | 9½ hours. | 1½ hours. | Total. | 9½ hours. | 1½ hours. | Total. | 9½ hours. | 1½ hours. | Total. | 9½ hours.  | 1½ hours. | Total. | 9½ hours. | 1½ hours. | Total. | 9½ hours. | 1½ hours. | Total. |           |       |  |           |  |  |
| North . . .                                             | ...           | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |       |  |           |  |  |
| North-East . . .                                        | ...           | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |       |  |           |  |  |
| East . . .                                              | ...           | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |       |  |           |  |  |
| South-East . . .                                        | ...           | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |       |  |           |  |  |
| South . . .                                             | ...           | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |       |  |           |  |  |
| South-West . . .                                        | ...           | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |       |  |           |  |  |
| West . . .                                              | ...           | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |       |  |           |  |  |
| North-West . . .                                        | ...           | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |       |  |           |  |  |
| Calm . . .                                              | ...           | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |       |  |           |  |  |
| Variable . . .                                          | ...           | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |       |  |           |  |  |
| Resultant {                                             | Percentage    |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...        |           |        | ...       |           |        | ...       |           |        | ...       |       |  | ...       |  |  |
|                                                         | Direction .   |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...        |           |        | ...       |           |        | ...       |           |        | ...       |       |  | ...       |  |  |
| Mean diurnal velocity of wind in miles .                | Not recorded. |           |        | 247'4     |           |        | 258'8     |           |        | 265'1     |           |        | 282'2     |           |        | 245'1     |           |        | 273'4     |           |        | ?         |           |        | ?          |           |        | ?         |           |        | ?         |           |        | ?         |       |  |           |  |  |
| Average Resultant {                                     | Percentage    |           |        | 74        |           |        | 69        |           |        | 65        |           |        | 61        |           |        | 42        |           |        | 19        |           |        | 18        |           |        | 30         |           |        | 28        |           |        | 27        |           |        | 45        |       |  | 60        |  |  |
|                                                         | Direction .   |           |        | N. 24° E. |           |        | N. 34° E. |           |        | N. 66° E. |           |        | N. 80° E. |           |        | S. 85° E. |           |        | S. 7° E.  |           |        | S. 31° E. |           |        | S. 66° E.  |           |        | S. 69° E. |           |        | N. 77° E. |           |        | N. 28° E. |       |  | N. 23° E. |  |  |
| Average diurnal velocity of wind in miles. 11 Years.    |               | 218'6     |        |           | 184'5     |        |           | 156'3     |        |           | 149'6     |        |           | 135'1     |        |           | 129'3     |        |           | 145'0     |        |           | 137'8     |        |            | 116'3     |        |           | 122'5     |        |           | 134'8     |        |           | 164'9 |  |           |  |  |
| Average diurnal velocity of wind in miles. 13-16 Years. |               | 218'6     |        |           | 184'5     |        |           | 156'3     |        |           | 149'6     |        |           | 135'1     |        |           | 129'3     |        |           | 145'0     |        |           | 137'8     |        |            | 116'3     |        |           | 122'5     |        |           | 134'8     |        |           | 164'9 |  |           |  |  |

## 117.—HAMBANTOTA (2 observations daily).

|                                                         | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |  |  |           |  |  |  |  |  |
|---------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|--|--|-----------|--|--|--|--|--|
|                                                         | 9½ hours.   | 1½ hours. | Total. | 9½ hours. | 1½ hours. | Total. | 9½ hours. | 1½ hours. | Total. | 9½ hours. | 1½ hours. | Total. | 9½ hours. | 1½ hours. | Total. | 9½ hours. | 1½ hours. | Total. | 9½ hours. | 1½ hours. | Total. | 9½ hours. | 1½ hours. | Total. | 9½ hours.  | 1½ hours. | Total. | 9½ hours. | 1½ hours. | Total. | 9½ hours. | 1½ hours. | Total. |           |  |  |           |  |  |  |  |  |
| North . . .                                             | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |  |  |           |  |  |  |  |  |
| North-East . . .                                        | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |  |  |           |  |  |  |  |  |
| East . . .                                              | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |  |  |           |  |  |  |  |  |
| South-East . . .                                        | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |  |  |           |  |  |  |  |  |
| South . . .                                             | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |  |  |           |  |  |  |  |  |
| South-West . . .                                        | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |  |  |           |  |  |  |  |  |
| West . . .                                              | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |  |  |           |  |  |  |  |  |
| North-West . . .                                        | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |  |  |           |  |  |  |  |  |
| Calm . . .                                              | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |  |  |           |  |  |  |  |  |
| Variable . . .                                          | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |  |  |           |  |  |  |  |  |
| Resultant {                                             | Percentage  |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...        |           |        | ...       |           |        | ...       |           |        | ...       |  |  | ...       |  |  |  |  |  |
|                                                         | Direction . |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...       |           |        | ...        |           |        | ...       |           |        | ...       |           |        | ...       |  |  | ...       |  |  |  |  |  |
| Mean diurnal velocity of wind in miles . .              | 121'7       |           |        | 141'5     |           |        | 92'1      |           |        | 136'5     |           |        | 238'1     |           |        | 178'8     |           |        | 195'0     |           |        | 190'9     |           |        | 239'9      |           |        | 170'2     |           |        | 105'5     |           |        | 93'6      |  |  |           |  |  |  |  |  |
| Average {                                               | Percentage  |           |        | 82        |           |        | 73        |           |        | 50        |           |        | 41        |           |        | 87        |           |        | 95        |           |        | 92        |           |        | 94         |           |        | 96        |           |        | 80        |           |        | 12        |  |  | 57        |  |  |  |  |  |
|                                                         | Direction . |           |        | N. 52° E. |           |        | N. 61° E. |           |        | N. 77° E. |           |        | S. 33° W. |           |        | S. 44° W. |           |        | S. 49° W. |           |        | S. 55° W. |           |        | S. 50° W.  |           |        | S. 49° W. |           |        | S. 48° W. |           |        | S. 38° E. |  |  | N. 59° E. |  |  |  |  |  |
| 11 Years.                                               |             |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |  |  |           |  |  |  |  |  |
| Average diurnal velocity of wind in miles. 14-17 Years. | 241'9       |           |        | 225'4     |           |        | 175'4     |           |        | 173'6     |           |        | 258'7     |           |        | 269'5     |           |        | 281'2     |           |        | 282'7     |           |        | 279'6      |           |        | 216'7     |           |        | 149'8     |           |        | 187'8     |  |  |           |  |  |  |  |  |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 118.—GALLE (2 observations daily).

|                                                             | JANUARY.                 |            |        | FEBRUARY. |            |        | MARCH.    |            |        | APRIL.    |            |        | MAY.      |            |        | JUNE.     |            |        | JULY.     |            |        | AUGUST.   |            |        | SEPTEMBER. |            |        | OCTOBER.  |            |        | NOVEMBER. |            |        | DECEMBER. |       |  |           |  |  |
|-------------------------------------------------------------|--------------------------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|------------|--------|------------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|-------|--|-----------|--|--|
|                                                             | 9½ hours.                | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. | 9½ hours.  | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. |           |       |  |           |  |  |
| North . . .                                                 | ...                      | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |       |  |           |  |  |
| North-East . . .                                            | ...                      | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |       |  |           |  |  |
| East . . .                                                  | ...                      | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |       |  |           |  |  |
| South-East . . .                                            | ...                      | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |       |  |           |  |  |
| South . . .                                                 | ...                      | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |       |  |           |  |  |
| South-West . . .                                            | ...                      | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |       |  |           |  |  |
| West . . .                                                  | ...                      | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |       |  |           |  |  |
| North-West . . .                                            | ...                      | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |       |  |           |  |  |
| Calm . . .                                                  | ...                      | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |       |  |           |  |  |
| Variable . . .                                              | ...                      | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    |           |       |  |           |  |  |
| Resultant {                                                 | Percentage               |            |        | ...       |            |        | ...       |            |        | ...       |            |        | ...       |            |        | ...       |            |        | ...       |            |        | ...       |            |        | ...        |            |        | ...       |            |        | ...       |            |        | ...       |       |  |           |  |  |
|                                                             | Direction .              |            |        | ...       |            |        | ...       |            |        | ...       |            |        | ...       |            |        | ...       |            |        | ...       |            |        | ...       |            |        | ...        |            |        | ...       |            |        | ...       |            |        | ...       |       |  |           |  |  |
| Mean diurnal velocity of wind in miles .                    |                          | 75'3       |        |           | 72'5       |        |           | 85'5       |        |           | 93'9       |        |           | 223'9      |        |           | 270'7      |        |           | 246'6      |        |           | 242'0      |        |            | 227'1      |        |           | 218'5      |        |           | 133'1      |        |           | 100'6 |  |           |  |  |
| Average Resultant {                                         | Percentage               |            |        | 26        |            |        | 11        |            |        | 7         |            |        | 26        |            |        | 61        |            |        | 82        |            |        | 83        |            |        | 83         |            |        | 80        |            |        | 65        |            |        | 30        |       |  | 20        |  |  |
|                                                             | Direction .<br>11 Years. |            |        | N. 24° W. |            |        | N. 5° W.  |            |        | N. 53° E. |            |        | N. 77° W. |            |        | S. 86° W. |            |        | N. 62° W. |            |        | N. 58° W. |            |        | N. 60° W.  |            |        | N. 59° W. |            |        | N. 65° W. |            |        | N. 41° W. |       |  | N. 22° W. |  |  |
| Average diurnal velocity of wind in miles .<br>13-16 Years. |                          | 60'9       |        |           | 59'5       |        |           | 68'2       |        |           | 89'3       |        |           | 183'2      |        |           | 230'4      |        |           | 203'2      |        |           | 206'5      |        |            | 206'1      |        |           | 178'4      |        |           | 90'1       |        |           | 75'3  |  |           |  |  |

## 119.—KANDY (2 observations daily).

|                                                            | JANUARY.                 |            |        | FEBRUARY. |            |        | MARCH.    |            |        | APRIL.    |            |        | MAY.      |            |        | JUNE.     |            |        | JULY.     |            |        | AUGUST.   |            |        | SEPTEMBER. |            |        | OCTOBER.  |            |        | NOVEMBER. |      |  | DECEMBER. |      |  |           |  |  |
|------------------------------------------------------------|--------------------------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|------------|--------|-----------|------------|--------|------------|------------|--------|-----------|------------|--------|-----------|------|--|-----------|------|--|-----------|--|--|
|                                                            | 9½ hours.                | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. | 9½ hours.  | 15½ hours. | Total. | 9½ hours. | 15½ hours. | Total. |           |      |  |           |      |  |           |  |  |
| North . . .                                                | ...                      | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       |      |  |           |      |  |           |  |  |
| North-East . . .                                           | ...                      | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       |      |  |           |      |  |           |  |  |
| East . . .                                                 | ...                      | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       |      |  |           |      |  |           |  |  |
| South-East . . .                                           | ...                      | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       |      |  |           |      |  |           |  |  |
| South . . .                                                | ...                      | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       |      |  |           |      |  |           |  |  |
| South-West . . .                                           | ...                      | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       |      |  |           |      |  |           |  |  |
| West . . .                                                 | ...                      | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       |      |  |           |      |  |           |  |  |
| North-West . . .                                           | ...                      | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       |      |  |           |      |  |           |  |  |
| Calm . . .                                                 | ...                      | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       |      |  |           |      |  |           |  |  |
| Variable . . .                                             | ...                      | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...       | ...        | ...    | ...        | ...        | ...    | ...       | ...        | ...    | ...       |      |  |           |      |  |           |  |  |
| Resultant {                                                | Percentage               |            |        | ...       |            |        | ...       |            |        | ...       |            |        | ...       |            |        | ...       |            |        | ...       |            |        | ...       |            |        | ...        |            |        | ...       |            |        | ...       |      |  | ...       |      |  |           |  |  |
|                                                            | Direction .              |            |        | ...       |            |        | ...       |            |        | ...       |            |        | ...       |            |        | ...       |            |        | ...       |            |        | ...       |            |        | ...        |            |        | ...       |            |        | ...       |      |  | ...       |      |  |           |  |  |
| Mean diurnal velocity of wind in miles .                   |                          | 40'2       |        |           | 53'3       |        |           | 38'3       |        |           | 21'0       |        |           | 30'4       |        |           | 30'5       |        |           | 32'6       |        |           | 27'2       |        |            | 28'0       |        |           | 24'9       |        |           | 18'1 |  |           | 34'2 |  |           |  |  |
| Average Resultant {                                        | Percentage               |            |        | 55        |            |        | 57        |            |        | 41        |            |        | 35        |            |        | 68        |            |        | 75        |            |        | 77        |            |        | 77         |            |        | 76        |            |        | 66        |      |  | 22        |      |  | 33        |  |  |
|                                                            | Direction .<br>11 Years. |            |        | S. 84° E. |            |        | S. 69° E. |            |        | S. 53° E. |            |        | S. 43° W. |            |        | S. 58° W. |            |        | S. 67° W. |            |        | S. 67° W. |            |        | S. 61° W.  |            |        | S. 63° W. |            |        | S. 61° W. |      |  | S. 45° W. |      |  | S. 86° E. |  |  |
| Average diurnal velocity of wind in miles.<br>15-17 Years. |                          | 79'6       |        |           | 75'8       |        |           | 46'5       |        |           | 34'9       |        |           | 52'7       |        |           | 74'6       |        |           | 69'5       |        |           | 63'4       |        |            | 57'2       |        |           | 40'1       |        |           | 39'7 |  |           | 51'3 |  |           |  |  |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

120.—NEWERA ELIYA (2 observations daily).

|                                                            | JANUARY.              |                        |        | FEBRUARY.             |                        |        | MARCH.                |                        |        | APRIL.                |                        |        | MAY.                  |                        |        | JUNE.                 |                        |        | JULY.                 |                        |        | AUGUST.               |                        |        | SEPTEMBER.            |                        |        | OCTOBER.              |                        |        | NOVEMBER. |  |  | DECEMBER. |  |  |
|------------------------------------------------------------|-----------------------|------------------------|--------|-----------------------|------------------------|--------|-----------------------|------------------------|--------|-----------------------|------------------------|--------|-----------------------|------------------------|--------|-----------------------|------------------------|--------|-----------------------|------------------------|--------|-----------------------|------------------------|--------|-----------------------|------------------------|--------|-----------------------|------------------------|--------|-----------|--|--|-----------|--|--|
|                                                            | 9 <sup>h</sup> hours. | 15 <sup>h</sup> hours. | Total. | 9 <sup>h</sup> hours. | 15 <sup>h</sup> hours. | Total. | 9 <sup>h</sup> hours. | 15 <sup>h</sup> hours. | Total. | 9 <sup>h</sup> hours. | 15 <sup>h</sup> hours. | Total. | 9 <sup>h</sup> hours. | 15 <sup>h</sup> hours. | Total. | 9 <sup>h</sup> hours. | 15 <sup>h</sup> hours. | Total. | 9 <sup>h</sup> hours. | 15 <sup>h</sup> hours. | Total. | 9 <sup>h</sup> hours. | 15 <sup>h</sup> hours. | Total. | 9 <sup>h</sup> hours. | 15 <sup>h</sup> hours. | Total. | 9 <sup>h</sup> hours. | 15 <sup>h</sup> hours. | Total. |           |  |  |           |  |  |
| North                                                      | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...       |  |  |           |  |  |
| North-East                                                 | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...       |  |  |           |  |  |
| East                                                       | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...       |  |  |           |  |  |
| South-East                                                 | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...       |  |  |           |  |  |
| South                                                      | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...       |  |  |           |  |  |
| South-West                                                 | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...       |  |  |           |  |  |
| West                                                       | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...       |  |  |           |  |  |
| North-West                                                 | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...       |  |  |           |  |  |
| Calm                                                       | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...       |  |  |           |  |  |
| Variable                                                   | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...                   | ...                    | ...    | ...       |  |  |           |  |  |
| Resultant {                                                | Percentage            |                        |        | ...                   |                        |        | ...                   |                        |        | ...                   |                        |        | ...                   |                        |        | ...                   |                        |        | ...                   |                        |        | ...                   |                        |        | ...                   |                        |        | ...                   |                        |        | ...       |  |  | ...       |  |  |
|                                                            | Direction             |                        |        | ...                   |                        |        | ...                   |                        |        | ...                   |                        |        | ...                   |                        |        | ...                   |                        |        | ...                   |                        |        | ...                   |                        |        | ...                   |                        |        | ...                   |                        |        | ...       |  |  | ...       |  |  |
| Mean diurnal velocity of wind in miles.                    | 89.7                  |                        |        | 106.9                 |                        |        | 68.6                  |                        |        | 29.5                  |                        |        | 29.7                  |                        |        | 112.7                 |                        |        | ?                     |                        |        | 63.5                  |                        |        | 33.8                  |                        |        | ?                     |                        |        | 58.8      |  |  | 58.2      |  |  |
| Average Resultant {                                        | 43                    |                        |        | 41                    |                        |        | 57                    |                        |        | 13                    |                        |        | 33                    |                        |        | 82                    |                        |        | 87                    |                        |        | 77                    |                        |        | 74                    |                        |        | 44                    |                        |        | 21        |  |  | 44        |  |  |
|                                                            | S. 63° E.             |                        |        | S. 58° E.             |                        |        | S. 56° E.             |                        |        | S. 48° E.             |                        |        | N. 74° W.             |                        |        | N. 57° W.             |                        |        | N. 57° W.             |                        |        | N. 60° W.             |                        |        | N. 60° W.             |                        |        | N. 60° W.             |                        |        | S. 66° E. |  |  | S. 63° E. |  |  |
| Average diurnal velocity of wind in miles.<br>9-11 Years.  | 69.5                  |                        |        | 74.1                  |                        |        | 62.2                  |                        |        | 54.3                  |                        |        | 78.0                  |                        |        | 136.4                 |                        |        | 115.8                 |                        |        | 103.3                 |                        |        | 90.4                  |                        |        | 67.5                  |                        |        | 62.9      |  |  | 77.9      |  |  |
| Average diurnal velocity of wind in miles.<br>14-17 Years. |                       |                        |        |                       |                        |        |                       |                        |        |                       |                        |        |                       |                        |        |                       |                        |        |                       |                        |        |                       |                        |        |                       |                        |        |                       |                        |        |           |  |  |           |  |  |

121 —MANDALAY (2 observations daily).

[illegible]

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

122.—AKYAB (2 observations daily).

|                                                        | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |           |  |  |  |  |  |
|--------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|-----------|--|--|--|--|--|
|                                                        | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |           |  |  |  |  |  |
| North . . .                                            | 13          | 1         | 14     | 14        | ...       | 14     | 6         | 1         | 7      | 1         | ...       | 1      | 1         | ...       | 1      | ...       | 1         | 1      | ...       | 1         | 1      | ...       | ...       | ...    | 2          | 2         | ...    | 6         | ...       | 6      | 7         | 3         | 10     | 9         | 1   | 10  |           |  |  |  |  |  |
| North-East . . .                                       | 16          | 1         | 17     | 7         | ...       | 7      | 8         | ...       | 8      | 3         | ...       | 3      | 2         | 1         | 3      | 3         | ...       | 3      | ...       | ...       | ...    | ...       | 2         | ...    | 2          | 2         | ...    | 8         | ...       | 8      | 16        | 9         | 25     | 18        | 3   | 21  |           |  |  |  |  |  |
| East . . .                                             | ...         | ...       | ...    | 1         | ...       | 1      | 2         | ...       | 2      | 5         | ...       | 5      | 5         | 2         | 7      | 1         | 1         | 2      | 3         | 1         | 4      | 5         | 1         | 6      | 3          | 2         | 5      | 14        | ...       | 14     | 3         | 1         | 4      | 2         | 1   | 3   |           |  |  |  |  |  |
| South-East . . .                                       | ...         | ...       | ...    | ...       | ...       | ...    | 2         | ...       | 2      | 3         | ...       | 3      | 7         | 3         | 10     | 8         | 3         | 11     | 10        | 3         | 13     | 9         | 4         | 13     | 14         | 4         | 18     | ...       | ...       | ...    | 3         | 3         | 6      | ...       | 1   | 1   |           |  |  |  |  |  |
| South . . .                                            | ...         | 3         | 3      | ...       | 1         | 1      | 4         | 2         | 6      | 8         | 5         | 13     | 7         | 9         | 16     | 12        | 18        | 30     | 10        | 15        | 25     | 9         | 15        | 24     | 7          | 15        | 22     | 1         | 4         | 5      | ...       | 2         | 2      | ...       | 2   | 2   |           |  |  |  |  |  |
| South-West . . .                                       | ...         | 3         | 3      | 1         | 3         | 4      | 3         | 8         | 11     | 8         | 9         | 17     | 2         | 6         | 8      | 3         | 6         | 9      | 5         | 7         | 12     | 5         | 7         | 12     | 1          | 3         | 4      | 2         | 8         | 10     | 1         | 4         | 5      | ...       | 4   | 4   |           |  |  |  |  |  |
| West . . .                                             | ...         | 14        | 14     | 1         | 16        | 17     | 1         | 10        | 11     | ...       | 13        | 13     | 3         | 7         | 10     | 1         | ...       | 1      | 2         | 3         | 5      | 1         | 2         | 3      | ...        | 5         | 5      | ...       | 15        | 15     | ...       | 5         | 5      | ...       | 13  | 13  |           |  |  |  |  |  |
| North-West . . .                                       | 2           | 9         | 11     | 4         | 8         | 12     | 4         | 9         | 13     | 2         | 3         | 5      | 2         | 1         | 3      | 2         | 1         | 3      | 1         | 1         | 2      | ...       | 2         | 2      | ...        | ...       | ...    | ...       | 4         | 4      | ...       | 3         | 3      | 1         | 6   | 7   |           |  |  |  |  |  |
| Calm . . .                                             | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 1         | ... | 1   |           |  |  |  |  |  |
| Variable . . .                                         | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |           |  |  |  |  |  |
| Resultant {                                            | Percentage  |           |        | 50        |           |        | 58        |           |        | 33        |           |        | 47        |           |        | 41        |           |        | 65        |           |        | 65        |           |        | 63         |           |        | 62        |           |        | 9         |           |        | 42        |     |     | 39        |  |  |  |  |  |
|                                                        | Direction . |           |        | N. 23° W. |           |        | N. 43° W. |           |        | N. 71° W. |           |        | S. 43° W. |           |        | S. 4° W.  |           |        | S. 4° E.  |           |        | S. 2° W.  |           |        | S. 5° E.   |           |        | S. 18° E. |           |        | N. 65° W. |           |        | N. 37° E. |     |     | N. 5° W.  |  |  |  |  |  |
| Mean diurnal velocity of wind in miles . . .           |             |           |        | 58.4      |           |        | 82.5      |           |        | 91.0      |           |        | 80.5      |           |        | 84.3      |           |        | 90.8      |           |        | 81.3      |           |        | 75.7       |           |        | 72.5      |           |        | 59.7      |           |        | 65.4      |     |     | 63.6      |  |  |  |  |  |
| Average Resultant {                                    | Percentage  |           |        | 39        |           |        | 45        |           |        | 26        |           |        | 40        |           |        | 31        |           |        | 58        |           |        | 68        |           |        | 62         |           |        | 41        |           |        | 12        |           |        | 29        |     |     | 39        |  |  |  |  |  |
|                                                        | Direction . |           |        | N. 23° W. |           |        | N. 27° W. |           |        | N. 58° W. |           |        | S. 75° W. |           |        | S. 33° W. |           |        | S. 2° E.  |           |        | S. 4° E.  |           |        | S. 1° E.   |           |        | S. 9° E.  |           |        | S. 35° E. |           |        | N. 6° W.  |     |     | N. 15° W. |  |  |  |  |  |
| Average diurnal velocity of wind in miles 14-15 Years. |             |           |        | 62.3      |           |        | 80.7      |           |        | 89.4      |           |        | 93.9      |           |        | 83.0      |           |        | 94.0      |           |        | 88.9      |           |        | 77.4       |           |        | 72.5      |           |        | 56.3      |           |        | 54.5      |     |     | 54.0      |  |  |  |  |  |

123.—THAYETMYO (2 observations daily).

|                                                       | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |           |  |  |
|-------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|-----------|--|--|
|                                                       | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |           |  |  |
| North . . .                                           | 9           | 4         | 13     | 2         | ...       | 2      | 2         | 1         | 3      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | 2         | 1      | 3          | 5         | 2      | 7         | 15        | 11     | 26        | 4         | 9      | 13        |     |     |           |  |  |
| North-East . . .                                      | 12          | 6         | 18     | 6         | 3         | 9      | 5         | 2         | 7      | 4         | 4         | 8      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 1         | 1         | 2      | 1          | ...       | 1      | 6         | 1         | 7      | 4         | 6         | 10     | 12        | 6   | 18  |           |  |  |
| East . . .                                            | 4           | 5         | 9      | 5         | 2         | 7      | 5         | 2         | 7      | 1         | 1         | 2      | 2         | 1         | 3      | ...       | 2         | 2      | ...       | 1         | 2      | 1         | ...       | 1      | 3          | ...       | 3      | 3         | 2         | 5      | 4         | 1         | 5      | 10        | 3   | 13  |           |  |  |
| South-East . . .                                      | 4           | 8         | 12     | 8         | 2         | 10     | 12        | 8         | 20     | 12        | 7         | 19     | 16        | 5         | 21     | 13        | 3         | 16     | 13        | 5         | 18     | 11        | 4         | 15     | 13         | 8         | 21     | 8         | 7         | 15     | ...       | 1         | 1      | 3         | 5   | 8   |           |  |  |
| South . . .                                           | 1           | 2         | 3      | 2         | 8         | 10     | 3         | 3         | 6      | 8         | 3         | 11     | 8         | 10        | 18     | 13        | 16        | 29     | 17        | 19        | 36     | 16        | 16        | 32     | 9          | 8         | 17     | 5         | 12        | 17     | ...       | ...       | ...    | ...       | 6   | 6   |           |  |  |
| South-West . . .                                      | 1           | 1         | 2      | 4         | 4         | 8      | ...       | 3         | 3      | 3         | 3         | 6      | 2         | 8         | 10     | 4         | 8         | 12     | 1         | 5         | 6      | 2         | 5         | 7      | 1          | 8         | 9      | ...       | 2         | 2      | ...       | 1         | 1      | 1         | ... | 1   |           |  |  |
| West . . .                                            | ...         | 2         | 2      | 1         | 8         | 9      | 2         | 12        | 14     | ...       | 11        | 11     | 2         | 6         | 8      | ...       | 1         | 1      | ...       | 1         | 1      | ...       | 4         | 4      | 1          | 4         | 5      | 3         | 2         | 5      | ...       | 1         | 1      | ...       | ... | ... |           |  |  |
| North-West . . .                                      | ...         | 3         | 3      | ...       | 1         | 1      | 2         | ...       | 2      | 1         | 1         | 2      | 1         | 1         | 2      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | 1         | 1      | ...        | 1         | 1      | 1         | 3         | 4      | 7         | 9         | 16     | 1         | 2   | 3   |           |  |  |
| Calm . . .                                            | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |           |  |  |
| Variable . . .                                        | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |           |  |  |
| Resultant {                                           | Percentage  |           |        | 47        |           |        | 26        |           |        | 25        |           |        | 35        |           |        | 62        |           |        | 82        |           |        | 87        |           |        | 73         |           |        | 57        |           |        | 29        |           |        | 72        |     |     | 52        |  |  |
|                                                       | Direction.  |           |        | N. 59° E. |           |        | S. 20° E. |           |        | S. 34° E. |           |        | S. 12° E. |           |        | S. 2° E.  |           |        | S. 4° E.  |           |        | S. 9° E.  |           |        | S. 4° E.   |           |        | S. 41° E. |           |        | S. 38° E. |           |        | N.        |     |     | N. 62° E. |  |  |
| Mean diurnal velocity of wind in miles.               |             |           |        | ?         |           |        | ?         |           |        | ?         |           |        | 116.0     |           |        | 117.6     |           |        | 162.4     |           |        | 177.5     |           |        | 123.3      |           |        | 94.0      |           |        | 59.2      |           |        | 52.2      |     |     | 27.2      |  |  |
| Average Resultant. {                                  | Percentage  |           |        | 27        |           |        | 11        |           |        | 18        |           |        | 43        |           |        | 53        |           |        | 80        |           |        | 83        |           |        | 79         |           |        | 74        |           |        | 26        |           |        | 34        |     |     | 56        |  |  |
|                                                       | Direction . |           |        | N. 47° E. |           |        | S. 39° E. |           |        | S. 27° E. |           |        | S. 1° E.  |           |        | S. 4° E.  |           |        | S. 4° E.  |           |        | S. 2° E.  |           |        | S. 2° E.   |           |        | S. 12° E. |           |        | S. 33° E. |           |        | N. 16° E. |     |     | N. 21° E. |  |  |
| Average diurnal velocity of wind in miles. 7-9 Years. |             |           |        | 57.0      |           |        | 100.3     |           |        | 124.2     |           |        | 167.6     |           |        | 175.1     |           |        | 197.3     |           |        | 160.6     |           |        | 141.2      |           |        | 111.2     |           |        | 70.1      |           |        | 83.8      |     |     | 73.6      |  |  |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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## 124.—TOUNGGOO (2 observations daily).

|                                                           | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |    |   |           |  |  |
|-----------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|----|---|-----------|--|--|
|                                                           | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |    |   |           |  |  |
| North . . . . .                                           | 6           | 4         | 10     | ...       | 1         | 1      | 1         | ...       | 1      | ...       | 3         | 3      | ...       | 3         | 3      | ...       | ...       | ...    | ...       | ...       | ...    | 1         | 1         | 1      | ...        | 1         | 3      | 1         | 4         | 10     | 9         | 19        | 5      | 4         | 9  |   |           |  |  |
| North-East . . . . .                                      | ...         | 1         | 1      | ...       | 4         | 4      | ...       | 1         | 1      | ...       | 2         | 2      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | 1         | 1         | ...    | ...        | 1         | 1      | 2         | 1         | 1      | 2         | 1         | ...    | 1         |    |   |           |  |  |
| East . . . . .                                            | ...         | 1         | 1      | ...       | ...       | ...    | ...       | 1         | 1      | 1         | ...       | 1      | ...       | 2         | 2      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | 1      | 1          | ...       | ...    | ...       | ...       | ...    | ...       | 1         | 1      | 2         |    |   |           |  |  |
| South-East . . . . .                                      | 1           | 4         | 5      | 4         | 6         | 10     | 11        | 9         | 20     | 8         | 8         | 16     | 9         | 8         | 17     | 9         | 3         | 12     | 8         | 7         | 15     | 8         | 9         | 17     | 8          | 2         | 10     | 4         | ...       | 4      | ...       | ...       | ...    | 1         | 1  |   |           |  |  |
| South . . . . .                                           | 3           | 4         | 7      | 3         | 10        | 13     | 6         | 15        | 21     | 17        | 14        | 31     | 18        | 14        | 32     | 21        | 25        | 46     | 21        | 22        | 43     | 21        | 18        | 39     | 15         | 19        | 34     | 5         | 9         | 14     | ...       | 1         | 1      | 1         | 2  | 3 |           |  |  |
| South-West . . . . .                                      | ...         | ...       | ...    | ...       | ...       | ...    | 1         | 1         | 2      | 1         | 1         | 2      | ...       | 1         | 1      | ...       | 1         | 1      | 2         | 2         | 4      | 2         | 1         | 3      | 2          | 3         | 5      | 4         | 4         | 8      | ...       | 1         | 1      | 1         | 3  | 4 |           |  |  |
| West . . . . .                                            | ...         | 3         | 3      | ...       | 1         | 1      | ...       | ...       | ...    | 1         | ...       | 1      | ...       | 1         | 1      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | 2          | 2         | 3      | 2         | 5         | 4      | 3         | 7         | 2      | 7         | 9  |   |           |  |  |
| North-West . . . . .                                      | 13          | 13        | 26     | 5         | 4         | 9      | 1         | 2         | 3      | 1         | 1         | 2      | ...       | 2         | 2      | ...       | ...       | ...    | ...       | ...       | ...    | 1         | 1         | 2      | 1          | 3         | 6      | 12        | 18        | 15     | 15        | 30        | 18     | 13        | 31 |   |           |  |  |
| Calm . . . . .                                            | 8           | 1         | 9      | 16        | 1         | 17     | 11        | 2         | 13     | 1         | 1         | 2      | 3         | ...       | 3      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | 2      | 2          | 4         | 5      | 2         | 7         | ...    | ...       | ...       | 2      | ...       | 2  |   |           |  |  |
| Variable . . . . .                                        | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       |    |   |           |  |  |
| Resultant {                                               | Percentage  |           |        | 40        |           |        | 19        |           |        | 56        |           |        | 65        |           |        | 67        |           |        | 93        |           |        | 92        |           |        | 83         |           |        | 69        |           |        | 32        |           |        | 81        |    |   | 63        |  |  |
|                                                           | Direction . |           |        | N. 41° W. |           |        | S. 14° E. |           |        | S. 21° E. |           |        | S. 15° E. |           |        | S. 16° E. |           |        | S. 7° E.  |           |        | S. 8° E.  |           |        | S. 11° E.  |           |        | S. 1° E.  |           |        | S. 77° W. |           |        | N. 35° W. |    |   | N. 50° W. |  |  |
| Mean diurnal velocity of wind in miles .                  |             |           |        | 24.4      |           |        | 16.2      |           |        | 19.8      |           |        | 68.8      |           |        | 71.3      |           |        | 104.6     |           |        | 106.0     |           |        | 87.5       |           |        | 62.8      |           |        | 27.0      |           |        | 43.3      |    |   | 45.5      |  |  |
| Average Resultant {                                       | Percentage  |           |        | 57        |           |        | 31        |           |        | 27        |           |        | 49        |           |        | 54        |           |        | 72        |           |        | 73        |           |        | 66         |           |        | 53        |           |        | 16        |           |        | 62        |    |   | 71        |  |  |
|                                                           | Direction . |           |        | N. 24° W. |           |        | N. 10° W. |           |        | S. 19° E. |           |        | S. 22° E. |           |        | S. 25° E. |           |        | S. 25° E. |           |        | S. 22° E. |           |        | S. 15° E.  |           |        | S. 4° E.  |           |        | S. 87° W. |           |        | N. 33° W. |    |   | N. 30° W. |  |  |
| Average diurnal velocity of wind in miles .<br>6-8 Years. |             |           |        | 43.2      |           |        | 44.6      |           |        | 65.6      |           |        | 94.9      |           |        | 92.1      |           |        | 113.5     |           |        | 113.9.    |           |        | 96.8       |           |        | 64.4      |           |        | 46.2      |           |        | 42.4      |    |   | 56.8      |  |  |

## 125.—BASSEIN (2 observations daily).

|                                             | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |    |           |  |  |
|---------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|----|-----------|--|--|
|                                             | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |    |           |  |  |
| North . . . . .                             | 10          | 5         | 15     | 5         | 2         | 7      | 1         | 1         | 2      | 2         | ...       | 2      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | 1         | 1      | ...       | ...       | ...    | 1          | ...       | 1      | 1         | ...       | 1      | ...       | 1         | 1      | 6         | 6   | 12 |           |  |  |
| North-East . . . . .                        | 6           | 2         | 8      | ...       | ...       | ...    | ...       | ...       | ...    | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | 2      | ...       | 2         | 13     | 9         | 22        | 5      | 5         | 10  |    |           |  |  |
| East . . . . .                              | 2           | 4         | 6      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | 1         | 1         | 2      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 2          | ...       | 2      | 5         | 3         | 8      | 6         | 9         | 15     | 4         | 5   | 9  |           |  |  |
| South-East . . . . .                        | ...         | 1         | 1      | 2         | 1         | 3      | ...       | ...       | ...    | ...       | ...       | ...    | 7         | 3         | 10     | 5         | 1         | 6      | ...       | ...       | ...    | 1         | ...       | 1      | 9          | 5         | 14     | 7         | 7         | 14     | ...       | 1         | 1      | 4         | 2   | 6  |           |  |  |
| South . . . . .                             | ...         | 1         | 1      | 2         | 2         | 4      | ...       | 1         | 1      | ...       | ...       | ...    | 2         | 5         | 7      | 14        | 21        | 35     | 18        | 12        | 30     | 10        | 6         | 16     | 8          | 8         | 16     | 5         | 6         | 11     | 1         | ...       | 1      | ...       | ... |    |           |  |  |
| South-West . . . . .                        | ...         | 3         | 3      | ...       | ...       | ...    | 1         | ...       | 1      | 1         | ...       | 1      | 4         | 4         | 8      | 6         | 4         | 10     | 4         | 8         | 12     | 5         | 11        | 16     | 4          | 3         | 7      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ... |    |           |  |  |
| West . . . . .                              | ...         | 3         | 3      | 3         | 3         | 6      | 2         | 1         | 3      | 3         | 3         | 6      | 10        | 9         | 19     | 1         | 4         | 5      | 2         | 4         | 6      | 6         | 8         | 14     | 4          | 10        | 14     | 2         | 2         | 4      | ...       | ...       | ...    | ...       | ... |    |           |  |  |
| North-West . . . . .                        | 10          | 12        | 22     | 13        | 17        | 30     | 16        | 16        | 32     | 20        | 19        | 39     | 3         | 6         | 9      | 1         | ...       | 1      | 1         | 1         | 2      | 2         | 4         | ...    | 2          | 2         | 1      | 3         | 4         | ...    | ...       | ...       | 1      | 4         | 5   |    |           |  |  |
| Calm . . . . .                              | 1           | ...       | 1      | ...       | ...       | ...    | 3         | ...       | 3      | 2         | ...       | 2      | 3         | 2         | 5      | 2         | ...       | 2      | 2         | 3         | 5      | 6         | 4         | 10     | 2          | 2         | 4      | 7         | 10        | 17     | ...       | 6         | 6      | 2         | 7   | 9  |           |  |  |
| Variable . . . . .                          | 2           | ...       | 2      | 2         | 3         | 5      | 8         | 12        | 20     | 1         | 8         | 9      | ...       | 1         | 1      | 1         | ...       | 1      | 4         | 2         | 6      | 1         | ...       | 1      | ...        | ...       | ...    | ...       | ...       | ...    | 10        | 4         | 14     | 9         | 2   | 11 |           |  |  |
| Resultant {                                 | Percentage  |           |        | 54        |           |        | 58        |           |        | 56        |           |        | 75        |           |        | 41        |           |        | 77        |           |        | 64        |           |        | 60         |           |        | 50        |           |        | 33        |           |        | 58        |     |    | 40        |  |  |
|                                             | Direction   |           |        | N. 14° W. |           |        | N. 47° W. |           |        | N. 49° W. |           |        | N. 49° W. |           |        | S. 61° W. |           |        | S. 11° W. |           |        | S. 24° W. |           |        | S. 47° W.  |           |        | S. 17° W. |           |        | S. 36° E. |           |        | N. 65° E. |     |    | N. 42° E. |  |  |
| Mean diurnal velocity of wind in miles .    |             |           |        | 79.1      |           |        | 89.2      |           |        | 126.3     |           |        | 137.7     |           |        | 88.9      |           |        | 103.5     |           |        | 95.2      |           |        | 78.8       |           |        | 89.7      |           |        | 50.7      |           |        | 93.8      |     |    | 58.1      |  |  |
| Average Resultant {                         | Percentage  |           |        | 58        |           |        | 73        |           |        | 82        |           |        | 72        |           |        | 44        |           |        | 66        |           |        | 66        |           |        | 63         |           |        | 50        |           |        | 8         |           |        | 57        |     |    | 62        |  |  |
|                                             | Direction . |           |        | N. 3° W.  |           |        | N. 49° W. |           |        | N. 57° W. |           |        | N. 66° W. |           |        | S. 82° W. |           |        | S. 15° W. |           |        | S. 26° W. |           |        | S. 34° W.  |           |        | S. 25° W. |           |        | S. 22° E. |           |        | N. 56° E. |     |    | N. 31° E. |  |  |
| Average diurnal velocity of wind in miles . |             |           |        | 70.2      |           |        | 90.5      |           |        | 118.6     |           |        | 126.7     |           |        | 108.1     |           |        | 98.8      |           |        | 94.3      |           |        | 84.6       |           |        | 85.5      |           |        | 63.6      |           |        | 77.9      |     |    | 65.8      |  |  |
| 7.9 Years.                                  |             |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |           |           |        |            |           |        |           |           |        |           |           |        |           |     |    |           |  |  |



TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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127.—RANGOON (4 observations daily).

|                                                             | JANUARY.        |           |           |           |        | FEBRUARY.       |           |           |           |        | MARCH.          |           |           |           |        | APRIL.          |           |           |           |        | MAY.            |           |           |           |        | JUNE.           |           |           |           |        |
|-------------------------------------------------------------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|
|                                                             | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. |
| North . . . . .                                             | 7               | 13        | 8         | 5         | 33     | 1               | 2         | 4         | 1         | 8      | ...             | ...       | 1         | ...       | 1      | ...             | ...       | ...       | ...       | ...    | 1               | 1         | 1         | 1         | 4      | ...             | ...       | ...       | ...       | ...    |
| North-East . . . . .                                        | 5               | 7         | 6         | 4         | 22     | 1               | 3         | 2         | 1         | 7      | ...             | ...       | 2         | ...       | 2      | ...             | ...       | ...       | ...       | ...    | ...             | 3         | 2         | ...       | 5      | ...             | ...       | ...       | ...       | ...    |
| East . . . . .                                              | 1               | 1         | 3         | ...       | 5      | 1               | 2         | 1         | 1         | 5      | ...             | ...       | 2         | ...       | 2      | ...             | ...       | 1         | ...       | 1      | ...             | 3         | ...       | 1         | 4      | ...             | 1         | ...       | ...       | 1      |
| South-East . . . . .                                        | ...             | 1         | 3         | 3         | 7      | 2               | 2         | 2         | 3         | 9      | ...             | 1         | 10        | 5         | 16     | ...             | ...       | 13        | 2         | 15     | 3               | 2         | 7         | 3         | 15     | 3               | 4         | 5         | 2         | 14     |
| South . . . . .                                             | 1               | 2         | 2         | 3         | 8      | 4               | 3         | 2         | 6         | 15     | 8               | 6         | 6         | 16        | 36     | 4               | 4         | 8         | 13        | 29     | 5               | 6         | 13        | 12        | 36     | 9               | 16        | 18        | 11        | 54     |
| South-West . . . . .                                        | 3               | 2         | 2         | 1         | 8      | 4               | 5         | 8         | 4         | 21     | 16              | 12        | 5         | 7         | 40     | 21              | 18        | 4         | 10        | 53     | 6               | 8         | 2         | 6         | 22     | 3               | 7         | 6         | 8         | 24     |
| West . . . . .                                              | 2               | 1         | 2         | 3         | 8      | 3               | 4         | 4         | 3         | 14     | 3               | 6         | 2         | 1         | 12     | 4               | 6         | 2         | 4         | 16     | 1               | 3         | 2         | 2         | 8      | 1               | 1         | ...       | ...       | 2      |
| North-West . . . . .                                        | 3               | 2         | 4         | 2         | 11     | 2               | 3         | 3         | 2         | 10     | ...             | 2         | 1         | ...       | 3      | ...             | 1         | 1         | ...       | 2      | 1               | ...       | 1         | 1         | 3      | ...             | ...       | ...       | ...       | ...    |
| Calm . . . . .                                              | 8               | 1         | ...       | 9         | 18     | 8               | 2         | ...       | 5         | 15     | 2               | 2         | ...       | ...       | 4      | ...             | ...       | ...       | ...       | ...    | 11              | 1         | 1         | 2         | 15     | 14              | ...       | 1         | 9         | 24     |
| Variable . . . . .                                          | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |
| Resultant { Percentage<br>Direction .                       | 32<br>N. 6° E.  |           |           |           |        | 24<br>S. 50° W. |           |           |           |        | 66<br>S. 21° W. |           |           |           |        | 75<br>S. 30° W. |           |           |           |        | 47<br>S. 8° W.  |           |           |           |        | 68<br>S. 6° W.  |           |           |           |        |
| Mean diurnal velocity<br>of wind in miles .                 | 100.9           |           |           |           |        | 65.5            |           |           |           |        | 109.2           |           |           |           |        | 143.4           |           |           |           |        | 80.8            |           |           |           |        | 92.3            |           |           |           |        |
| Average Resultant { Percentage<br>Direction .               | 42<br>N. 25° E. |           |           |           |        | 13<br>S. 56° W. |           |           |           |        | 56<br>S. 22° W. |           |           |           |        | 59<br>S. 21° W. |           |           |           |        | 56<br>S. 17° W. |           |           |           |        | 71<br>S. 16° W. |           |           |           |        |
| 10 Years.<br>Average diurnal velocity<br>of wind in miles . | 104.1           |           |           |           |        | 94.9            |           |           |           |        | 119.6           |           |           |           |        | 137.7           |           |           |           |        | 121.0           |           |           |           |        | 127.5           |           |           |           |        |
| 10-11 Years.                                                |                 |           |           |           |        |                 |           |           |           |        |                 |           |           |           |        |                 |           |           |           |        |                 |           |           |           |        |                 |           |           |           |        |

|                                                             | JULY.           |           |           |           |        | AUGUST.         |           |           |           |        | SEPTEMBER.      |           |           |           |        | OCTOBER.        |           |           |           |        | NOVEMBER.       |           |           |           |        | DECEMBER.       |           |           |           |        |   |
|-------------------------------------------------------------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|-----------------|-----------|-----------|-----------|--------|---|
|                                                             | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. | 4 hours.        | 10 hours. | 16 hours. | 22 hours. | Total. |   |
| North . . . . .                                             | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | 3         | ...       | ...       | 3      | 8               | 2         | 3         | ...       | 3      | 8               | ...       | ...       | 2         | 1      | 3 |
| North-East . . . . .                                        | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | 1               | ...       | ...       | ...       | 1      | 4               | 6         | 3         | 1         | 14     | 14              | 11        | 10        | 8         | 43     | 11              | 13        | 9         | 5         | 38     |   |
| East . . . . .                                              | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | 1               | 4         | 1         | ...       | 6      | 1               | 6         | 2         | 1         | 10     | 6               | 7         | 13        | 10        | 36     | ...             | 9         | 7         | 2         | 18     |   |
| South-East . . . . .                                        | ...             | 3         | 3         | 1         | 7      | ...             | 1         | 4         | ...       | 5      | 1               | 2         | 3         | 2         | 8      | ...             | 3         | 2         | 1         | 6      | 1               | 2         | 2         | 1         | 6      | 1               | 3         | 2         | 1         | 7      |   |
| South . . . . .                                             | 10              | 18        | 17        | 13        | 58     | 2               | 6         | 13        | 4         | 25     | 1               | 1         | 8         | 2         | 12     | 6               | 4         | 15        | 10        | 35     | 1               | ...       | 1         | 1         | 3      | 5               | ...       | 5         | 4         | 14     |   |
| South-West . . . . .                                        | 6               | 8         | 10        | 10        | 34     | 1               | 3         | 7         | 3         | 14     | 3               | 1         | 4         | 1         | 9      | 3               | 3         | 4         | 7         | 17     | 1               | ...       | 1         | ...       | 2      | 1               | ...       | 1         | 1         | 3      |   |
| West . . . . .                                              | ...             | 1         | ...       | ...       | 1      | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | 1         | 1      | 3               | 2         | 1         | 2         | 8      | ...             | ...       | ...       | ...       | ...    | 1               | ...       | ...       | ...       | 1      |   |
| North-West . . . . .                                        | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | 1               | ...       | ...       | ...       | 1      | ...             | ...       | ...       | 1         | 1      | ...             | ...       | ...       | ...       | ...    |   |
| Calm . . . . .                                              | 15              | 1         | 1         | 7         | 24     | 27              | 20        | 6         | 23        | 76     | 19              | 18        | 10        | 20        | 67     | 9               | ...       | ...       | 5         | 14     | 1               | ...       | ...       | 2         | 3      | 7               | ...       | ...       | 12        | 19     |   |
| Variable . . . . .                                          | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    | ...             | ...       | ...       | ...       | ...    |   |
| Resultant { Percentage<br>Direction .                       | 72<br>S. 13° W. |           |           |           |        | 32<br>S. 9° W.  |           |           |           |        | 23<br>S. 12° E. |           |           |           |        | 35<br>S. 5° E.  |           |           |           |        | 74<br>N. 66° E. |           |           |           |        | 46<br>N. 79° E. |           |           |           |        |   |
| Mean diurnal velocity<br>of wind in miles .                 | 82.2            |           |           |           |        | 25.5            |           |           |           |        | 23.6            |           |           |           |        | 65.7            |           |           |           |        | 137.2           |           |           |           |        | 87.6            |           |           |           |        |   |
| Average Resultant { Percentage<br>Direction .               | 73<br>S. 29° W. |           |           |           |        | 68<br>S. 36° W. |           |           |           |        | 59<br>S. 23° W. |           |           |           |        | 27<br>S. 46° E. |           |           |           |        | 56<br>N. 57° E. |           |           |           |        | 61<br>N. 36° E. |           |           |           |        |   |
| 10 Years.<br>Average diurnal velocity<br>of wind in miles . | 130.9           |           |           |           |        | 111.4           |           |           |           |        | 91.6            |           |           |           |        | 76.0            |           |           |           |        | 106.1           |           |           |           |        | 118.6           |           |           |           |        |   |
| 10-11 Years.                                                |                 |           |           |           |        |                 |           |           |           |        |                 |           |           |           |        |                 |           |           |           |        |                 |           |           |           |        |                 |           |           |           |        |   |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

## 128. MOULMEIN (2 observations daily).

|                                                      | JANUARY.    |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |               |        | NOVEMBER. |           |        | DECEMBER. |      |     |           |  |  |
|------------------------------------------------------|-------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|---------------|--------|-----------|-----------|--------|-----------|------|-----|-----------|--|--|
|                                                      | 10 hours.   | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours.     | Total. | 10 hours. | 16 hours. | Total. |           |      |     |           |  |  |
| North . . . . .                                      | 10          | 13        | 23     | 5         | ...       | 5      | 4         | ...       | 4      | ...       | ...       | ...    | 3         | ...       | 3      | ...       | 1         | 1      | ...       | 2         | 2      | 1         | 1         | 2      | 1          | ...       | 1      | 5         | 2             | 7      | 9         | 8         | 17     | 5         | 18   | 23  |           |  |  |
| North-East . . . . .                                 | 10          | 1         | 11     | 9         | 1         | 10     | 3         | ...       | 3      | 1         | ...       | 1      | 4         | ...       | 4      | 1         | ...       | 1      | 1         | ...       | 1      | ...       | ...       | 3      | ...        | 3         | 8      | 4         | 12            | 3      | 6         | 9         | 7      | 5         | 12   |     |           |  |  |
| East . . . . .                                       | 8           | ...       | 8      | 6         | ...       | 6      | 5         | 5         | 10     | 1         | ...       | 1      | 8         | 2         | 10     | 3         | ...       | 3      | 2         | ...       | 2      | 2         | ...       | 2      | 4          | 1         | 5      | 9         | 3             | 12     | 8         | 7         | 15     | 5         | 2    | 7   |           |  |  |
| South-East . . . . .                                 | 1           | 4         | 5      | 5         | ...       | 5      | 2         | 5         | 7      | ...       | ...       | ...    | 5         | 1         | 6      | 6         | ...       | 6      | 6         | ...       | 6      | ...       | ...       | 6      | 2          | 8         | 3      | 2         | 5             | 6      | 3         | 9         | 10     | 1         | 11   |     |           |  |  |
| South . . . . .                                      | 1           | ...       | 1      | 1         | ...       | 1      | ...       | 3         | 3      | 5         | 2         | 7      | 3         | 5         | 8      | 12        | 7         | 19     | 11        | 10        | 21     | 15        | 5         | 20     | 7          | 3         | 10     | 2         | 2             | 4      | 2         | 3         | 5      | 2         | ...  | 2   |           |  |  |
| South-West . . . . .                                 | 1           | ...       | 1      | 1         | 9         | 10     | 9         | 11        | 20     | 14        | 14        | 28     | 2         | 9         | 11     | 7         | 16        | 23     | 10        | 12        | 22     | 10        | 19        | 29     | 7          | 17        | 24     | ...       | 4             | 4      | ...       | ...       | ...    | ...       | ...  |     |           |  |  |
| West . . . . .                                       | ...         | 6         | 6      | ...       | 10        | 10     | 5         | 5         | 10     | 6         | 14        | 20     | 4         | 10        | 14     | 1         | 5         | 6      | 1         | 6         | 7      | 1         | 5         | 6      | 1          | 6         | 7      | 2         | 10            | 12     | ...       | 2         | 2      | 1         | 1    | 2   |           |  |  |
| North-West . . . . .                                 | ...         | 7         | 7      | ...       | 7         | 7      | 3         | 2         | 5      | 3         | ...       | 3      | 2         | 4         | 6      | ...       | 1         | 1      | ...       | 1         | 1      | 2         | 1         | 3      | 1          | 1         | 2      | 2         | 4             | 6      | 2         | 1         | 3      | 1         | 4    | 5   |           |  |  |
| Calm . . . . .                                       | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...           | ...    | ...       | ...       | ...    | ...       | ...  | ... |           |  |  |
| Variable . . . . .                                   | ...         | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...           | ...    | ...       | ...       | ...    | ...       | ...  | ... |           |  |  |
| Resultant {                                          | Percentage  |           |        | 51        |           |        | 14        |           |        | 26        |           |        | 78        |           |        | 22        |           |        | 67        |           |        | 66        |           |        | 73         |           |        | 51        |               |        | 17        |           |        | 46        |      |     | 50        |  |  |
|                                                      | Direction . |           |        | N. 14° E. |           |        | N. 45° W. |           |        | S. 40° W. |           |        | S. 59° W. |           |        | S. 42° W. |           |        | S. 22° W. |           |        | S. 24° W. |           |        | S. 36° W.  |           |        | S. 24° W. |               |        | N. 28° E. |           |        | N. 59° E. |      |     | N. 35° E. |  |  |
| Mean diurnal velocity of wind in miles .             |             | 59°0      |        |           | 46°3      |        |           | 48°3      |        |           | 48°2      |        |           | 73°0      |        |           | 78°1      |        |           | 68°1      |        |           | 71°2      |        |            | 50°7      |        |           | Not recorded. |        |           | 57°1      |        |           | 59°3 |     |           |  |  |
| Average Resultant {                                  | Percentage  |           |        | 46        |           |        | 23        |           |        | 43        |           |        | 58        |           |        | 44        |           |        | 64        |           |        | 67        |           |        | 68         |           |        | 49        |               |        | 15        |           |        | 46        |      |     | 49        |  |  |
|                                                      | Direction . |           |        | N. 25° E. |           |        | N. 12° W. |           |        | S. 55° W. |           |        | S. 57° W. |           |        | S. 45° W. |           |        | S. 21° W. |           |        | S. 31° W. |           |        | S. 35° W.  |           |        | S. 33° W. |               |        | N. 61° E. |           |        | N. 60° E. |      |     | N. 51° E. |  |  |
| Average diurnal velocity of wind in miles 7-8 Years. |             | 60°1      |        |           | 59°6      |        |           | 73°7      |        |           | 79°0      |        |           | 74°4      |        |           | 80°3      |        |           | 89°4      |        |           | 75°8      |        |            | 66°9      |        |           | 39°6          |        |           | 56°8      |        |           | 60°1 |     |           |  |  |

## 129.—MERGUL. (2 observations daily).

|                                                                | JANUARY.   |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |      |     |           |  |  |
|----------------------------------------------------------------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|------|-----|-----------|--|--|
|                                                                | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |      |     |           |  |  |
| North . . . . .                                                | 8          | 10        | 18     | 1         | 4         | 5      | 1         | 2         | 3      | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 2         | 5         | 7      | 2          | ...       | 2      | 3         | 2         | 5      | 5         | 4         | 9      | 13        | 13   | 26  |           |  |  |
| North-East . . . . .                                           | 9          | 5         | 14     | 4         | 3         | 7      | 5         | ...       | 5      | 1         | ...       | 1      | 4         | 2         | 6      | 1         | ...       | 1      | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | 1      | 2         | 3         | 9      | 7         | 16        | 15     | 10        | 25   |     |           |  |  |
| East . . . . .                                                 | ...        | 2         | 2      | 5         | 2         | 7      | 2         | ...       | 2      | 2         | 2         | 4      | 2         | 6         | 8      | ...       | ...       | ...    | ...       | ...       | ...    | 3         | ...       | 3      | ...        | ...       | ...    | 4         | 4         | 8      | 7         | 10        | 17     | 2         | 7    | 9   |           |  |  |
| South-East . . . . .                                           | ...        | ...       | ...    | 4         | ...       | 4      | 4         | 6         | 10     | 3         | ...       | 3      | 9         | 5         | 14     | 3         | 1         | 4      | 1         | ...       | 1      | 1         | 1         | 2      | 2          | 4         | 5      | 3         | 8         | 7      | 4         | 11        | ...    | ...       | ...  |     |           |  |  |
| South . . . . .                                                | ...        | ...       | ...    | ...       | ...       | ...    | 1         | ...       | 1      | ...       | ...       | ...    | 2         | 1         | 3      | 4         | 2         | 6      | 4         | 5         | 9      | ...       | ...       | ...    | ...        | ...       | 5      | 6         | 11        | ...    | ...       | ...       | ...    | ...       | ...  |     |           |  |  |
| South-West . . . . .                                           | ...        | ...       | ...    | ...       | 1         | 1      | 1         | 1         | 2      | ...       | 2         | 2      | 7         | 9         | 16     | 17        | 13        | 30     | 20        | 13        | 33     | 10        | 6         | 16     | 12         | 8         | 20     | 7         | 4         | 11     | 1         | ...       | 1      | ...       | ...  |     |           |  |  |
| West . . . . .                                                 | 4          | 4         | 8      | 4         | 9         | 13     | 6         | 7         | 13     | 12        | 14        | 26     | 3         | 6         | 9      | 2         | 6         | 8      | 2         | 8         | 10     | 6         | 10        | 16     | 6          | 8         | 14     | ...       | 3         | 3      | ...       | ...       | ...    | ...       | ...  |     |           |  |  |
| North-West . . . . .                                           | 10         | 10        | 20     | 10        | 9         | 19     | 11        | 15        | 26     | 12        | 11        | 23     | 3         | 2         | 5      | 2         | 1         | 3      | 3         | 4         | 7      | 9         | 9         | 18     | 8          | 12        | 20     | 6         | 7         | 13     | 1         | 5         | 6      | 1         | 1    | 2   |           |  |  |
| Calm . . . . .                                                 | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 1         | ...       | 1      | 1         | 7         | 8      | 1         | 1         | 2      | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...  |     |           |  |  |
| Variable . . . . .                                             | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...  | ... |           |  |  |
| Resultant {                                                    | Percentage |           |        | 70        |           |        | 42        |           |        | 41        |           |        | 66        |           |        | 27        |           |        | 65        |           |        | 76        |           |        | 59         |           |        | 66        |           |        | 15        |           |        | 58        |      |     | 83        |  |  |
|                                                                | Direction. |           |        | N. 14° W. |           |        | N. 32° W. |           |        | N. 53° W. |           |        | N. 69° W. |           |        | S. 6° W.  |           |        | S. 46° W. |           |        | S. 53° W. |           |        | N. 79° W.  |           |        | S. 89° W. |           |        | S. 27° W. |           |        | N. 63° E. |      |     | N. 29° E. |  |  |
| Mean diurnal velocity of wind in miles . . .                   |            | 47·9      |        |           | 48·4      |        |           | 46·7      |        |           | 46·7      |        |           | 41·7      |        |           | 42·4      |        |           | 39·7      |        |           | 27·8      |        |            | 27·5      |        |           | 30·4      |        |           | 34·7      |        |           | 31·0 |     |           |  |  |
| Average Resultant {                                            | Percentage |           |        | 57        |           |        | 58        |           |        | 44        |           |        | 41        |           |        | 34        |           |        | 61        |           |        | 57        |           |        | 65         |           |        | 59        |           |        | 22        |           |        | 42        |      |     | 65        |  |  |
|                                                                | Direction. |           |        | N. 10° W. |           |        | N. 39° W. |           |        | N. 55° W. |           |        | N. 59° W. |           |        | S. 73° W. |           |        | S. 46° W. |           |        | S. 61° W. |           |        | S. 58° W.  |           |        | S. 59° W. |           |        | S. 79° W. |           |        | N. 28° E. |      |     | N. 27° E. |  |  |
| Average diurnal velocity of wind in miles . . .<br>8-10 Years. |            | 47·0      |        |           | 48·0      |        |           | 47·3      |        |           | 51·0      |        |           | 51·7      |        |           | 48·3      |        |           | 45·3      |        |           | 40·4      |        |            | 36·3      |        |           | 35·3      |        |           | 39·7      |        |           | 43·0 |     |           |  |  |



TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

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## 130.—COCOS ISLAND (2 observations daily).

|                                             | JANUARY.                         |           |        | FEBRUARY. |           |        | MARCH.    |           |        | APRIL.    |           |           | MAY.      |           |        | JUNE.     |           |           | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|---------------------------------------------|----------------------------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                             | 10 hours.                        | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| North . . .                                 | Observatory opened in July 1886. |           |        |           |           |        |           |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |        |            |           |        | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |     |
| North-East . . .                            |                                  |           |        |           |           |        |           |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |        |            |           |        | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| East . . .                                  |                                  |           |        |           |           |        |           |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |        |            |           |        | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| South-East . . .                            |                                  |           |        |           |           |        |           |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |        |            |           |        | 2         | 3         | 5      | 1         | 2         | 3      | 2         | 4   | 6   | 8   | 10  | 18  | 8   | 6   | 14  | ... | 1   | 1   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| South . . .                                 |                                  |           |        |           |           |        |           |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |        |            |           |        | 12        | 10        | 22     | 16        | 13        | 29     | 12        | 7   | 19  | 7   | 3   | 10  | 2   | 1   | 3   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| South-West . . .                            |                                  |           |        |           |           |        |           |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |        |            |           |        | 16        | 18        | 34     | 12        | 14        | 26     | 12        | 15  | 27  | 2   | 4   | 6   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| West . . .                                  |                                  |           |        |           |           |        |           |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |        |            |           |        | 1         | ...       | 1      | 2         | 1         | 3      | 2         | 3   | 5   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| North-West . . .                            |                                  |           |        |           |           |        |           |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |        |            |           |        | ...       | ...       | ...    | ...       | 1         | 1      | ...       | ... | ... | 1   | ... | 1   | ... | 2   | 2   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Calm . . .                                  |                                  |           |        |           |           |        |           |           |        |           |           |           |           |           |        |           |           |           |           |           |        |           |           |        |            |           |        | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Variable . . .                              | ...                              | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Resultant {                                 | Percentage                       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 87        | ...       | 85        | ...       | 76        | ...    | 44        | ...       | 69        | ...       | 83        | ...    |           |           |        |            |           |        |           |           |        |           |           |        |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                             | Direction .                      | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | S. 23° W. | ...       | S. 22° W. | ...       | S. 26° W. | ...    | S. 38° E. | ...       | N. 61° E. | ...       | N. 40° E. | ...    |           |           |        |            |           |        |           |           |        |           |           |        |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Mean diurnal velocity of wind in miles .    |                                  | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    |           |           |        |            |           |        |           |           |        |           |           |        |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Average Resultant {                         | Percentage                       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    |           |           |        |            |           |        |           |           |        |           |           |        |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|                                             | Direction .                      | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    |           |           |        |            |           |        |           |           |        |           |           |        |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Average diurnal velocity of wind in miles . |                                  | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    |           |           |        |            |           |        |           |           |        |           |           |        |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Years.                                      |                                  | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    |           |           |        |            |           |        |           |           |        |           |           |        |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Years.                                      |                                  | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    |           |           |        |            |           |        |           |           |        |           |           |        |           |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

## 131.—PORT BLAIR (2 observations daily).

|                                                             | JANUARY.    |           |           | FEBRUARY. |           |           | MARCH.    |           |        | APRIL.    |           |           | MAY.      |           |        | JUNE.     |           |           | JULY.     |           |        | AUGUST.   |           |           | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |     |     |
|-------------------------------------------------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----|-----|
|                                                             | 10 hours.   | 16 hours. | Total.    | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total.    | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |           |     |     |
| North . . .                                                 | 9           | 9         | 18        | 7         | 3         | 10        | 5         | 2         | 7      | 3         | 2         | 5         | ...       | 1         | 1      | ...       | ...       | ...       | ...       | 1         | 1      | ...       | ...       | ...       | ...        | ...       | 2      | ...       | 2         | 5      | 4         | 9         | 8      | 6         | 14  |     |
| North-East . . .                                            | 18          | 16        | 34        | 13        | 15        | 28        | 18        | 13        | 31     | 11        | 6         | 17        | 1         | 1         | 2      | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | 1         | 2      | 3         | 5         | 8      | 13        | 12        | 12     | 24        |     |     |
| East . . .                                                  | 1           | 4         | 5         | 4         | 7         | 11        | 5         | 11        | 16     | 9         | 12        | 21        | 3         | 2         | 5      | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | 2          | 4         | 6      | 3         | 2         | 5      | 5         | 8         | 13     |           |     |     |
| South-East . . .                                            | 1           | 2         | 3         | 2         | 3         | 5         | 3         | 5         | 8      | 4         | 8         | 12        | 12        | 13        | 25     | 1         | 2         | 3         | 5         | 2         | 7      | 4         | 2         | 6         | 2          | 2         | 4      | 7         | 4         | 11     | 9         | 5         | 14     | 5         | 4   | 9   |
| South . . .                                                 | ...         | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | 6         | 5         | 11     | 6         | 3         | 9         | 8         | 7         | 15     | 4         | 3         | 7         | 3          | 3         | 6      | 2         | 2         | 4      | 2         | 4         | 6      | 1         | ... | 1   |
| South-West . . .                                            | ...         | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...    | 1         | 1         | 2         | 4         | 7         | 11     | 17        | 16        | 33        | 10        | 11        | 21     | 16        | 20        | 36        | 11         | 13        | 24     | 4         | 8         | 12     | 1         | ...       | 1      | ...       | ... |     |
| West . . .                                                  | ...         | ...       | ...       | 2         | ...       | 2         | ...       | ...       | ...    | ...       | 1         | 1         | 4         | 2         | 6      | 5         | 7         | 12        | 8         | 8         | 16     | 7         | 6         | 13        | 13         | 10        | 23     | 9         | 10        | 19     | 2         | 5         | 7      | ...       | ... | ... |
| North-West . . .                                            | 2           | ...       | 2         | ...       | ...       | ...       | ...       | ...       | ...    | 2         | ...       | 2         | 1         | ...       | 1      | 1         | 2         | 3         | ...       | 2         | 2      | ...       | ...       | ...       | 1          | 2         | 3      | 4         | 1         | 5      | 3         | 2         | 5      | ...       | ... | ... |
| Calm . . .                                                  | ...         | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 1         | 1   | ... |
| Variable . . .                                              | ...         | ...       | ...       | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...       | ...       | ...    | ...       | ...       | ...       | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ... | ... |
| Resultant {                                                 | Percentage  |           | 82        | 74        |           | 80        |           | 64        |        | 56        |           | 80        |           | 58        |        | 81        |           | 76        |           | 32        |        | 23        |           | 70        |            |           |        |           |           |        |           |           |        |           |     |     |
|                                                             | Direction . |           | N. 36° E. | N. 51° E. |           | N. 62° E. |           | N. 77° E. |        | S. 16° E. |           | S. 48° W. |           | S. 40° W. |        | S. 43° W. |           | S. 59° W. |           | S. 50° W. |        | N. 68° E. |           | N. 57° E. |            |           |        |           |           |        |           |           |        |           |     |     |
| Mean diurnal velocity of wind in miles .                    |             |           | 140.6     | 105.9     |           |           | 86.8      |           |        | 83.9      |           |           | 133.3     |           |        | 185.4     |           |           | 130.5     |           |        | 132.0     |           |           | 124.6      |           |        | 118.5     |           |        | 196.6     |           |        | 167.5     |     |     |
| Average Resultant {                                         | Percentage  |           | 78        | 76        |           | 69        |           | 45        |        | 48        |           | 82        |           | 89        |        | 82        |           | 73        |           | 24        |        | 53        |           | 72        |            |           |        |           |           |        |           |           |        |           |     |     |
|                                                             | Direction . |           | N. 39° E. | N. 41° E. |           | N. 56° E. |           | N. 84° E. |        | S. 34° W. |           | S. 38° W. |           | S. 44° W. |        | S. 43° W. |           | S. 43° W. |           | S. 5° W.  |        | N. 63° E. |           | N. 51° E. |            |           |        |           |           |        |           |           |        |           |     |     |
| Average diurnal velocity of wind in miles .<br>11-12 Years. |             |           | 171.0     | 121.9     |           |           | 108.1     |           |        | 122.2     |           |           | 178.9     |           |        | 251.0     |           |           | 272.7     |           |        | 238.4     |           |           | 229.3      |           |        | 156.3     |           |        | 176.8     |           |        | 172.9     |     |     |

TABLE IX.—DIRECTION AND MEAN MOVEMENT OF WINDS IN 1886.

132.—NANCOWRY (2 observations daily).

|                                                        | JANUARY.  |           |        | FEBRUARY. |           |        | MARCH.     |           |        | APRIL.    |           |        | MAY.      |           |        | JUNE.     |           |        |
|--------------------------------------------------------|-----------|-----------|--------|-----------|-----------|--------|------------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|
|                                                        | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |
| North . . . . .                                        | 1         | ...       | 1      | 1         | 1         | 2      | ...        | ...       | ...    | ...       | ...       | ...    | 1         | 1         | 2      | ...       | ...       | ...    |
| North-East . . . . .                                   | 15        | 13        | 28     | 13        | 11        | 24     | 14         | 10        | 24     | 8         | 1         | 9      | 1         | ...       | 1      | ...       | ...       | ...    |
| East . . . . .                                         | 9         | 11        | 20     | 9         | 8         | 17     | 13         | 18        | 31     | 6         | 13        | 19     | 2         | 3         | 5      | ...       | ...       | ...    |
| South-East . . . . .                                   | 5         | 6         | 11     | 5         | 8         | 13     | 4          | 3         | 7      | 7         | 5         | 12     | 7         | 8         | 15     | ...       | ...       | ...    |
| South . . . . .                                        | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | 4         | 5         | 9      | 10        | 6         | 16     | 10        | 12        | 22     |
| South-West . . . . .                                   | 1         | 1         | 2      | ...       | ...       | ...    | ...        | ...       | ...    | 5         | 6         | 11     | 10        | 13        | 23     | 19        | 17        | 36     |
| West . . . . .                                         | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | 1         | 2         | 2      |
| North West . . . . .                                   | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |
| Calm . . . . .                                         | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |
| Variable . . . . .                                     | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |
| Resultant {                                            | 77        |           |        | 79        |           |        | 88         |           |        | 54        |           |        | 65        |           |        | 91        |           |        |
|                                                        | N. 76° E. |           |        | N. 77° E. |           |        | N. 77° E.  |           |        | S. 54° E. |           |        | S.        |           |        | S. 30° W. |           |        |
| Mean diurnal velocity of wind in miles . . . . .       | 218.6     |           |        | 188.9     |           |        | 152.8      |           |        | 77.7      |           |        | 75.0      |           |        | 144.6     |           |        |
| Average Resultant {                                    | 82        |           |        | 81        |           |        | 70         |           |        | 30        |           |        | 33        |           |        | 90        |           |        |
|                                                        | S. 87° E. |           |        | N. 80° E. |           |        | N. 86° E.  |           |        | S. 56° E. |           |        | S. 43° W. |           |        | S. 43° W. |           |        |
| Average diurnal velocity of wind in miles 12-14 Years. | 228.0     |           |        | 193.6     |           |        | 144.6      |           |        | 111.0     |           |        | 145.0     |           |        | 240.4     |           |        |
|                                                        | JULY.     |           |        | AUGUST.   |           |        | SEPTEMBER. |           |        | OCTOBER.  |           |        | NOVEMBER. |           |        | DECEMBER. |           |        |
|                                                        | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours.  | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. | 10 hours. | 16 hours. | Total. |
| North . . . . .                                        | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | 1         | ...       | 1      | 2         | ...       | 2      |
| North-East . . . . .                                   | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | 1         | 5         | 6      | 8         | 13        | 21     |
| East . . . . .                                         | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | 1         | 1         | 2      | 11        | 8         | 19     | 10        | 10        | 20     |
| South-East . . . . .                                   | 1         | ...       | 1      | ...       | ...       | ...    | ...        | ...       | ...    | 6         | 4         | 10     | 4         | 3         | 7      | 11        | 5         | 16     |
| South . . . . .                                        | 15        | 12        | 27     | 13        | 8         | 21     | 8          | 2         | 10     | 5         | 2         | 7      | 2         | 1         | 3      | ...       | 3         | 3      |
| South-West . . . . .                                   | 15        | 19        | 34     | 18        | 22        | 40     | 21         | 27        | 48     | 19        | 23        | 42     | 12        | 13        | 24     | ...       | ...       | ...    |
| West . . . . .                                         | ...       | ...       | ...    | ...       | 1         | 1      | ...        | ...       | ...    | ...       | 1         | 1      | ...       | ...       | ...    | ...       | ...       | ...    |
| North-West . . . . .                                   | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |
| Calm . . . . .                                         | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |
| Variable . . . . .                                     | ...       | ...       | ...    | ...       | ...       | ...    | ...        | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    | ...       | ...       | ...    |
| Resultant {                                            | 92        |           |        | 92        |           |        | 96         |           |        | 79        |           |        | 38        |           |        | 75        |           |        |
|                                                        | S. 24° W. |           |        | S. 31° W. |           |        | S. 38° W.  |           |        | S. 26° W. |           |        | S. 30° E. |           |        | N. 87° E. |           |        |
| Mean diurnal velocity of wind in miles . . . . .       | 125.1     |           |        | 154.5     |           |        | 155.2      |           |        | 98.6      |           |        | 147.1     |           |        | 184.9     |           |        |
| Average Resultant {                                    | 91        |           |        | 90        |           |        | 83         |           |        | 53        |           |        | 42        |           |        | 75        |           |        |
|                                                        | S. 44° W. |           |        | S. 46° W. |           |        | S. 50° W.  |           |        | S. 39° W. |           |        | S. 39° E. |           |        | S. 78° E. |           |        |
| Average diurnal velocity of wind in miles 12-14 Years. | 251.7     |           |        | 233.0     |           |        | 218.1      |           |        | 130.6     |           |        | 122.7     |           |        | 168.1     |           |        |

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886. (127 STATIONS).

## 1. ADEN.

## 2. BUSHIRE.

| MONTH.          | Mean. | Minimum. | 10 hours. |        | 16 hours. |     | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean.  | Minimum. | 10 hours.  | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------------|-------|----------|-----------|--------|-----------|-----|-------------------------------|----------|-----------|-----------|--------|----------|------------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                 |       |          |           |        |           |     | Mean.                         | Minimum. | 10 hours. | 16 hours. |        |          |            |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
|                 |       |          |           |        |           |     |                               |          |           |           |        |          |            |           |        |                               |          |           |           |
| January . . .   | 70.7  | 68.6     | 72.0      | 71.5   | 2.9       | 4.9 | 3.8                           | 5.5      | 7.2       | 53.9      | 49.7   | 55.6     | 56.5       | 6.8       | 3.7    | 2.8                           | 4.3      | 6.2       |           |
| February . . .  | 70.4  | 68.7*    | 71.6*     | 70.9†  | 2.2       | 5.1 | 4.1                           | 5.2      | 7.3       | 55.9      | 52.2   | 57.1     | 58.5       | 6.3       | 3.8    | 2.5                           | 4.7      | 6.2       |           |
| March . . .     | 73.0  | 70.9‡    | 74.7§     | 73.5§  | 2.6       | 5.5 | 4.1                           | 6.2      | 8.4       | 57.8      | 52.5   | 59.7‡‡   | 61.1       | 8.6       | 4.3    | 3.7                           | 5.8      | 6.9       |           |
| April . . .     | 75.3  | 72.2§    | 77.2§     | 76.6§  | 4.4       | 7.2 | 5.5                           | 7.2      | 10.7      | 65.3      | 58.0   | 68.7     | 69.2       | 11.2      | 6.8    | 7.4                           | 8.6      | 9.6       |           |
| May . . .       | 78.1  | 74.2     | 79.9      | 80.3¶  | 6.1       | 6.0 | 5.6                           | 8.1      | 8.0       | 75.4      | 71.2   | 77.2     | 77.7       | 6.5       | 6.0    | 4.9                           | 8.6      | 8.9       |           |
| June . . .      | 78.5  | 73.6**   | 81.9**    | 79.9** | 6.3       | ?   | ?                             | 9.1      | 11.4      | 80.5      | 75.8   | 82.1     | 83.5       | 7.7       | 5.9    | 5.2                           | 8.6      | 8.3       |           |
| July . . .      | 78.6  | 75.6††   | 80.7††    | 79.4   | 3.8       | 9.4 | 8.5                           | 8.7      | 12.4      | ?         | 79.0   | 83.5‡‡   | Imperfect. | ?         | ?      | 5.6                           | 7.9      | ?         |           |
| August . . .    | 75.9  | 73.3     | 77.9‡‡    | 76.5   | 3.2       | 9.5 | 8.3                           | 10.3     | 12.7      | 82.8      | 77.5‡‡ | 85.0‡‡   | 86.0‡‡     | 8.5       | 6.4    | 5.2                           | 8.2      | 9.6       |           |
| September . . . | 77.8  | 74.1     | 80.3      | 79.0   | 4.9       | 7.5 | 7.1                           | 8.2      | 10.4      | 79.7      | 73.8   | 81.4     | 83.9       | 10.1      | 6.4    | 6.3                           | 8.3      | 8.2       |           |
| October . . .   | 76.0  | 73.5‡‡   | 77.6††    | 76.8   | 3.3       | 6.3 | 4.3                           | 10.1     | 9.9       | 70.1      | 63.7   | 71.2     | 75.3       | 11.6      | 6.2    | 4.9                           | 9.7      | 8.7       |           |
| November . . .  | 71.4  | 68.4     | 73.5      | 72.4   | 4.0       | 6.6 | 4.9                           | 8.4      | 10.2      | 62.6      | 56.9   | 63.4     | 67.6       | 10.7      | 6.6    | 5.5                           | 9.5      | 8.3       |           |
| December . . .  | 69.0  | 67.0     | 70.3      | 69.7‡‡ | 2.7       | 5.9 | 4.5                           | 7.5      | 8.6       | 55.0      | 51.3   | 55.7     | 58.0       | 6.7       | 5.5    | 3.9                           | 6.8      | 7.8       |           |
| Year . . .      | 74.6  | 71.7     | 76.5      | 75.5   | 3.9       | ?   | ?                             | 7.9      | 9.8       | ?         | 63.5   | 70.1     | ?          | ?         | ?      | 4.8                           | 7.6      | ?         |           |

\* Mean of 26 days.

† Mean of 27 days.

|| Mean of 24 days.

\*\* Mean of 20 days.

‡‡ Mean of 30 days.

† " " 25 "

§ " " 28 "

¶ " " 23 "

†† " " 29 "

## 3 AMINI DIVI.

## 4. QUETTA.

| MONTH.          | Mean.         | Mini-<br>mum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              | Mean. | Mini-<br>mum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |               |             |           |
|-----------------|---------------|---------------|-----------|-----------|--------|----------------------------------|---------------|--------------|--------------|-------|---------------|-----------|-----------|--------|-------------------------------|---------------|-------------|-----------|
|                 |               |               |           |           |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |       |               |           |           |        | Mean.                         | Mini-<br>mum. | 10<br>hours | 16 hours. |
|                 |               |               |           |           |        |                                  |               |              |              |       |               |           |           |        |                               |               |             |           |
| January . . .   | 74.7          | 72.7          | 75.9      | 75.5      | 2.8    | 4.9                              | 1.1           | 6.9          | 6.6          | 34.4  | 29.3          | 35.8      | 38.1      | 8.8    | 2.4                           | 1.2           | 3.8         | 5.0       |
| February . . .  | 75.2          | 72.4          | 76.5      | 76.7      | 4.3    | 5.1                              | 1.4           | 7.3          | 6.7          | 34.3  | 29.0          | 35.7      | 38.3      | 9.3    | 3.0                           | 1.4           | 4.5         | 6.0       |
| March . . .     | 75.7          | 73.9          | 76.2      | 76.9      | 3.0    | 6.5                              | 1.5           | 9.0          | 9.2          | 42.7  | 36.8          | 45.2      | 46.2      | 9.4    | 4.9                           | 2.7           | 8.3         | 9.4       |
| April . . .     | Not received. |               |           |           |        | 49.6                             | 41.6          | 53.2         | 53.9         | 12.3  | 8.6           | 3.4       | 15.8      | 17.4   |                               |               |             |           |
| May . . .       | Imperfect.    |               |           |           |        | 57.2                             | 48.2          | 61.2         | 62.1         | 13.9  | 9.4           | 4.4       | 16.7      | 18.5   |                               |               |             |           |
| June . . .      | 78.9          | 76.1          | 80.3      | 80.4      | 4.3    | 4.2                              | 2.0           | 4.7          | 5.8          | 63.5  | 52.9          | 67.4      | 70.2      | 17.3   | 11.1                          | 6.8           | 16.0        | 19.2      |
| July . . .      | 77.0          | 74.4          | 78.4      | 78.2      | 3.8    | 2.8                              | 1.3           | 3.6          | 3.6          | 68.9  | 63.9          | 70.6      | 72.3      | 8.4    | 10.2                          | 4.3           | 14.8        | 17.7      |
| August . . .    | 76.5          | 73.7          | 77.9      | 78.0      | 4.3    | 3.0                              | 1.2           | 3.5          | 4.1          | 64.2  | 57.3          | 66.4      | 68.9      | 11.6   | 11.9                          | 4.8           | 16.6        | 21.1      |
| September . . . | 76.7          | 73.7          | 78.3      | 78.2      | 4.5    | 3.1                              | 1.3           | 3.5          | 4.4          | 56.5  | 46.8          | 60.1      | 62.6      | 15.8   | 12.2                          | 5.3           | 18.8        | 22.6      |
| October . . .   | 77.2          | 74.2          | 78.5      | 79.0      | 4.8    | 4.5                              | 2.3           | 4.8          | 6.2          | 47.3  | 34.7          | 51.8      | 55.3      | 20.6   | 8.6                           | 3.6           | 15.0        | 18.2      |
| November . . .  | 75.7          | 72.2          | 77.2      | 77.8      | 5.6    | 4.6                              | 1.8           | 6.0          | 6.0          | 41.6  | 30.7          | 45.4      | 48.8      | 18.1   | 7.4                           | 2.8           | 12.5        | 15.6      |
| December . . .  | 74.2          | 70.5          | 76.1      | 76.1      | 5.6    | 5.4                              | 1.5           | 7.3          | 7.4          | 36.1  | 27.6          | 39.1      | 41.6      | 14.0   | 4.0                           | 1.8           | 6.9         | 9.2       |
| Year . . .      | ?             | ?             | ?         | ?         | ?      | ?                                | ?             | ?            | ?            | 49.7  | 41.6          | 52.7      | 54.9      | 13.3   | 7.8                           | 3.5           | 12.5        | 15.0      |

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

## 5. LEH.

## 6. MOOLTAN.

| MONTH.      | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | Minimum.                        | DIFFERENCE, DRY AND WET BULB. |          |           |           |           |                                                       | Mean. | Minimum. | 10 hours.  | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-------------|-------|----------|-----------|-----------|-----------|---------------------------------|-------------------------------|----------|-----------|-----------|-----------|-------------------------------------------------------|-------|----------|------------|-----------|--------|-------------------------------|----------|-----------|-----------|
|             |       |          |           |           |           |                                 | Mean.                         | 6 hours. | 10 hours. | 16 hours. | 22 hours. | Minimum.                                              |       |          |            |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January .   | 18.1  | 11.7     | 18.2      | 24.3      | 18.0      | Not recorded.<br>Untrustworthy. | 2.5                           | 1.6      | 3.2       | 3.5       | 1.9       | Shade min. not recorded.<br>Shade min. untrustworthy. | 49.9  | 43.4     | 51.1       | 55.3      | 11.9   | 5.9                           | 2.3      | 6.0       | 10.5      |
| February .  | 18.3  | 11.6     | 19.1      | 25.0      | 17.4      |                                 | 2.2                           | 1.6      | 2.6       | 3.5       | 1.3       |                                                       | 49.5  | 42.3     | 50.3       | 55.8      | 13.5   | 7.4                           | 3.3      | 9.6       | 12.4      |
| March .     | 27.3  | 22.1     | 27.9      | 32.3      | 26.7      |                                 | 4.7                           | 2.3      | 6.0       | 7.3       | 3.4       |                                                       | 60.3  | 54.1     | 61.1       | 65.8      | 11.7   | 8.3                           | 3.8      | 10.6      | 13.5      |
| April .     | 30.5  | 25.6     | 31.9      | 34.7      | 29.7      |                                 | 7.9                           | 3.7      | 8.8       | 12.4      | 6.8       |                                                       | 65.8  | 59.5     | 66.9       | 71.1      | 11.6   | 14.3                          | 6.1      | 19.4      | 23.4      |
| May .       | 36.0  | 31.9     | 37.6      | 39.7      | 34.8      |                                 | 12.2                          | 6.7      | 14.4      | 17.7      | 10.0      |                                                       | 73.4  | 70.5     | 74.5       | 75.2*     | 4.7    | 16.6                          | 6.7      | 21.5      | 27.6      |
| June .      | 42.0  | 37.0     | 44.0      | 46.0      | 40.8      |                                 | 12.2                          | 7.2      | 13.6      | 17.9      | 10.2      |                                                       | 78.3  | 75.7     | 78.5       | 80.6      | 4.9    | 14.8                          | 6.3      | 17.8      | 23.6      |
| July .      | 49.6  | 43.9     | 52.5      | 54.3      | 47.7      |                                 | 12.9                          | 7.7      | 14.6      | 18.7      | 10.5      |                                                       | 80.6  | 78.2     | 81.0       | 82.7      | 4.5    | 11.5                          | 5.4      | 12.8      | 17.8      |
| August .    | 49.2  | 43.3     | 51.8      | 54.0      | 47.6      |                                 | 12.7                          | 7.3      | 14.9      | 19.2      | 9.4       |                                                       | 79.3  | 76.6     | 79.8       | 81.5      | 4.9    | 11.9                          | 5.9      | 11.8      | 18.4      |
| September . | 40.0  | 32.9     | 43.4      | 45.9      | 37.9      |                                 | 14.6                          | 7.6      | 16.2      | 21.8      | 12.5      |                                                       | 76.0  | 72.2     | 77.0       | 78.7      | 6.5    | 12.7                          | 5.3      | 13.0      | 21.1      |
| October .   | 32.6  | 26.7     | 35.3      | 37.8      | 30.4      |                                 | 11.3                          | 5.2      | 13.2      | 18.8      | 8.0       |                                                       | 64.7  | 58.0     | 66.3       | 69.7      | 11.7   | 14.2                          | 5.7      | 16.6      | 24.4      |
| November .  | 25.3  | 18.5     | 27.6      | 31.7      | 23.2      |                                 | 8.4                           | 4.2      | 10.5      | 13.3      | 5.9       |                                                       | 57.8  | 50.6     | 59.0       | 63.8      | 13.2   | 9.1                           | 1.8      | 10.6      | 17.5      |
| December .  | 21.2  | 14.4     | 22.3      | 27.6      | 20.4      |                                 | 5.7                           | 3.9      | 6.8       | 7.8       | 4.4       |                                                       | ?     | 41.7     | Imperfect. | ?         | ?      | 1.5                           | ?        | ?         | ?         |
| Year .      | 32.5  | 26.6     | 34.3      | 37.8      | 31.2      |                                 | 8.9                           | 4.9      | 10.4      | 13.5      | 7.0       |                                                       | ?     | 60.2     | ?          | ?         | ?      | ?                             | 4.5      | ?         | ?         |

\* Mean of 27 days.

## 7. DERA ISMAIL KHAN.

## 8. PESHAWAR.

| MONTH.      | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|             |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January .   | 46.1  | 36.8     | 47.8      | 53.7      | 16.9   | 7.3                           | 6.3      | 4.6       | 10.0      | 45.7  | 39.5     | 47.2      | 50.5      | 11.0   | 4.0                           | 1.8      | 4.4       | 7.6       |
| February .  | 44.8  | 35.3     | 46.9      | 52.1      | 16.8   | 9.8                           | 7.6      | 8.3       | 14.1      | 44.3  | 38.0     | 46.1      | 48.9      | 10.9   | 5.2                           | 1.8      | 6.7       | 10.3      |
| March .     | 57.0  | 48.8     | 59.6      | 62.6      | 13.8   | 9.1                           | 6.9      | 9.0       | 13.9      | 55.3  | 49.8     | 57.0      | 59.1      | 9.3    | 5.9                           | 2.3      | 7.8       | 11.2      |
| April .     | 62.4  | 53.5     | 65.3      | 68.3      | 14.8   | 14.5                          | 7.9      | 16.9      | 24.1      | 61.1  | 53.9     | 64.3      | 65.2      | 11.3   | 7.7                           | 3.7      | 12.4      | 14.8      |
| May .       | 68.7  | 58.3     | 73.2      | 74.7      | 16.4   | 19.1                          | 16.5     | 19.1      | 26.1      | 65.4  | 59.7     | 67.5      | 69.0      | 9.3    | 16.5                          | 10.1     | 21.2      | 25.0      |
| June .      | 74.0  | 66.6     | 76.7      | 78.6      | 12.0   | 18.7                          | 13.9     | 18.6      | 26.3      | 71.2  | 65.6     | 73.5      | 74.5      | 8.9    | 18.1                          | 10.8     | 21.8      | 27.6      |
| July .      | 79.4  | 73.6     | 81.4      | 83.1      | 9.5    | 11.7                          | 9.0      | 10.9      | 16.5      | 79.3  | 75.4     | 81.1      | 81.4      | 6.0    | 11.9                          | 6.2      | 12.7      | 19.3      |
| August .    | 78.7  | 72.2     | 80.8      | 83.0      | 10.8   | 12.8                          | 9.8      | 10.6      | 18.0      | 77.1  | 73.4     | 79.2      | 78.8      | 5.4    | 10.9                          | 5.0      | 11.7      | 18.7      |
| September . | 73.1  | 64.9     | 75.8      | 78.7      | 13.8   | 15.9                          | 11.1     | 15.0      | 23.2      | 70.7  | 65.3     | 73.1      | 73.6      | 8.3    | 12.2                          | 6.0      | 15.7      | 20.9      |
| October .   | 62.1  | 50.6     | 65.7      | 69.9      | 19.3   | 15.5                          | 11.0     | 15.2      | 23.7      | 62.1  | 53.7     | 64.9      | 67.7      | 14.0   | 10.9                          | 4.8      | 13.8      | 19.7      |
| November .  | 53.6  | 41.3     | 56.6      | 62.8      | 21.5   | 11.1                          | 7.4      | 9.7       | 17.8      | 53.1  | 41.9     | 56.6      | 60.8      | 18.9   | 7.4                           | 3.4      | 10.0      | 14.8      |
| December .  | 46.5  | 34.7     | 48.5      | 56.4      | 21.7   | 9.8                           | 7.0      | 7.4       | 14.4      | 46.5  | 37.7     | 49.3      | 52.6      | 14.9   | 5.5                           | 2.3      | 6.8       | 11.3      |
| Year .      | 62.2  | 53.1     | 64.9      | 68.7      | 15.6   | 12.9                          | 9.5      | 12.1      | 19.0      | 61.0  | 54.5     | 63.3      | 65.2      | 10.7   | 9.7                           | 4.9      | 12.1      | 16.8      |

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

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## 9. MURREE.

## 10. RAWALPINDI.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . .   | 34.5  | 31.0     | 35.8      | 36.6      | 5.6    | 3.8                           | 4.5      | 6.1       | 4.5       | 46.4  | 40.2     | 48.0      | 51.0      | 10.8   | 2.5                           | 0.5      | 3.5       | 6.1       |
| February . . .  | 32.2  | 28.0     | 34.4      | 34.2      | 6.2    | 2.3                           | 2.7      | 5.3       | 4.0       | 44.7  | 38.8     | 46.6      | 48.8      | 10.0   | 3.7                           | 0.8      | 4.3       | 8.3       |
| March . . .     | 40.8  | 36.7*    | 42.4      | 43.3      | 6.6    | 4.1                           | 4.1      | 7.3       | 5.7       | 54.7  | 49.2     | 56.8      | 58.0      | 8.8    | 5.7                           | 2.2      | 7.9       | 11.4      |
| April . . .     | 46.7  | 42.1     | 48.5      | 49.6*     | 7.5    | 9.0                           | 7.3      | 13.6      | 12.4      | 60.1  | 53.9     | 62.4      | 64.0      | 10.1   | 10.5                          | 3.5      | 14.9      | 19.8      |
| May . . .       | 52.5  | 47.6     | 54.8      | 55.2      | 7.6    | 11.8                          | 10.6     | 14.2      | 15.2      | 65.1  | 58.9     | 67.4      | 69.1      | 10.2   | 15.0                          | 8.0      | 20.8      | 24.1      |
| June . . .      | 57.6  | 53.4     | 59.7      | 59.7      | 6.3    | 13.0                          | 10.6     | 14.8      | 17.5      | 71.8  | 65.0*    | 73.7*     | 75.7*     | 10.7   | 14.3                          | 8.1      | 19.9      | 23.4      |
| July . . .      | 65.1  | 60.8     | 66.8      | 67.6      | 6.8    | 1.9                           | 1.5      | 3.5       | 4.0       | 77.4  | 74.8     | 78.1      | 79.4      | 4.6    | ?                             | ?        | 10.6      | 14.7      |
| August . . .    | 64.0  | 58.8     | 65.6      | 67.7      | 8.9    | 1.8                           | 1.7      | 3.6       | 3.3       | 76.6  | 72.4     | 77.9      | 79.5      | 7.1    | 7.4                           | 3.3      | 8.0       | 12.7      |
| September . . . | 58.1  | 52.4     | 60.4      | 61.4      | 9.0    | 7.0                           | 6.0      | 10.3      | 10.4      | 70.0  | 65.2     | 72.1      | 72.7      | 7.5    | 11.8                          | 5.4      | 16.0      | 20.3      |
| October . . .   | 50.0  | 45.7†    | 52.2      | 52.2      | 6.5    | 9.2                           | 8.6      | 12.5      | 11.9      | 60.5  | 53.2     | 63.9      | 64.4      | 11.2   | 10.9                          | 4.1      | 15.2      | 21.0      |
| November . . .  | 42.3  | 37.9     | 44.7      | 44.3      | 6.4    | 8.8                           | 9.2      | 13.2      | 10.8      | 50.1  | 40.2     | 53.8      | 56.4      | 16.2   | 8.8                           | 3.1      | 12.4      | 18.0      |
| December . . .  | 36.1  | 32.6     | 38.0      | 37.6      | 5.0    | 5.5                           | 5.8      | 9.6       | 7.1       | 45.5  | 36.9     | 48.3      | 51.3      | 14.4   | 4.7                           | 1.3      | 6.6       | 10.8      |
| Year . . .      | 48.3  | 43.9     | 50.3      | 50.8      | 6.9    | 6.5                           | 6.1      | 9.5       | 8.9       | 60.2  | 54.1     | 62.4      | 64.2      | 10.1   | ?                             | ?        | 11.7      | 15.9      |

\* Mean of 29 days.

† " " 30 "

## 11. SIALKOT.

## 12A. LAHORE.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Minimum. | DIFFERENCE, DRY AND WET BULB. |          |           |           |           |          |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|-----------|----------|-------------------------------|----------|-----------|-----------|-----------|----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |           |          | Mean.                         | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Minimum. |
| January . . .   | 50.3  | 43.8*    | 51.1      | 55.9      | 12.1   | 2.7                           | 0.7      | 2.4       | 5.6       | 49.9  | 45.2     | 51.4      | 54.4      | 48.5      | 43.6     | 3.4                           | 1.0      | 3.8       | 7.5       | 1.2       | 0.3      |
| February . . .  | 49.5  | 42.3     | 51.2      | 55.0      | 12.7   | 4.9                           | 1.2      | 4.9       | 10.2      | 47.6  | 42.6     | 49.8      | 51.6      | 46.3      | 41.3     | 7.5                           | 2.9      | 8.6       | 14.5      | 4.2       | 1.6      |
| March . . .     | 59.8  | 53.6     | 61.9      | 63.8      | 10.2   | 4.9                           | 2.0      | 6.8       | 9.9       | 59.0  | 54.6     | 61.5      | 62.1      | 57.8      | 53.1     | 7.4                           | 2.9      | 9.1       | 13.4      | 4.3       | 1.8      |
| April . . .     | 64.2  | 57.2     | 67.0      | 68.5      | 11.3   | 13.9                          | 7.4      | 17.9      | 23.0      | 63.2  | 57.6     | 66.8      | 66.8      | 61.4      | 55.9     | 16.3                          | 8.4      | 19.6      | 25.9      | 11.4      | 6.7      |
| May . . .       | 70.3  | 64.3     | 72.5      | 74.0      | 9.7    | 15.9                          | 8.9      | 19.5      | 25.1      | 68.5  | 63.9     | 71.3      | 71.2      | 67.7      | 62.8     | 18.8                          | 10.0     | 22.6      | 28.4      | 14.0      | 8.7      |
| June . . .      | 74.8  | 68.9     | 76.9      | 78.6      | 9.7    | 14.6                          | 9.7      | 16.9      | 21.6      | 74.5  | 71.5     | 75.6      | 76.8      | 74.0      | 70.0     | 16.1                          | 9.5      | 18.2      | 23.7      | 13.1      | 9.1      |
| July . . .      | 79.6  | 76.4     | 80.5      | 81.9      | 5.5    | 5.7                           | 2.3      | 6.3       | 10.0      | 80.1  | 78.4     | 79.8      | 81.7      | 80.6      | 76.8     | 6.6                           | 3.2      | 7.0       | 11.2      | 4.8       | 2.8      |
| August . . .    | 79.0  | 75.4     | 80.0      | 81.6      | 6.2    | 5.5                           | 1.6      | 6.6       | 10.4      | 79.3  | 77.6     | 79.6      | 80.9      | 79.1      | 75.6     | 7.8                           | 2.9      | 9.6       | 13.9      | 4.8       | 3.1      |
| September . . . | 75.3  | 70.9     | 76.9      | 78.0      | 7.1    | 10.2                          | 3.4      | 12.6      | 18.7      | 74.3  | 71.0     | 76.1      | 77.0      | 73.0      | 69.7     | 12.7                          | 5.2      | 15.9      | 21.8      | 8.2       | 4.6      |
| October . . .   | 66.6  | 60.7     | 68.7      | 70.5      | 9.8    | 9.5                           | 3.1      | 11.3      | 17.8      | 65.2  | 59.9     | 68.3      | 69.6      | 63.0      | 58.6     | 10.6                          | 3.6      | 14.2      | 19.1      | 5.5       | 2.7      |
| November . . .  | 56.5  | 48.2     | 58.4      | 63.0      | 14.8   | 7.2                           | 1.7      | 9.8       | 14.5      | 56.4  | 49.1     | 60.5      | 63.0      | 52.8      | 46.9     | 8.1                           | 2.2      | 11.5      | 15.6      | 3.2       | 1.8      |
| December . . .  | 50.4  | 41.8     | 51.9      | 57.5      | 15.7   | 4.5                           | 1.1      | 4.7       | 9.3       | 48.9  | 42.1     | 52.2      | 55.4      | 45.8      | 40.0     | 7.1                           | 2.3      | 9.3       | 13.5      | 3.5       | 1.4      |
| Year . . .      | 64.7  | 58.6     | 66.4      | 69.0      | 10.4   | 8.3                           | 3.6      | 10.0      | 14.7      | 63.9  | 59.5     | 66.1      | 67.5      | 62.5      | 57.9     | 10.2                          | 4.5      | 12.5      | 17.4      | 6.5       | 3.7      |

\* Mean of 30 days.

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

12B. LAHORE (OLD).

13. LUDHIANA.

| MONTH,         | Mean. | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              | Mean. | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              |
|----------------|-------|---------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|-------|---------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|
|                |       |               |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |       |               |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |
| January . . .  | 50.2  | 44.4          | 51.5         | 54.7         | 10.3   | 3.7                              | 1.1           | 4.2          | 7.1          | 51.5  | 45.7          | 53.0         | 55.8         | 10.1   | 2.5                              | 0.5           | 3.4          | 6.0          |
| February . . . | 48.3  | 42.0          | 49.9         | 52.9         | 10.9   | 7.5                              | 3.1           | 8.2          | 12.9         | 49.7  | 43.6          | 51.7         | 53.9         | 10.3   | 6.1                              | 1.2           | 7.5          | 12.8         |
| March . . .    | 59.4  | 54.0          | 61.5         | 62.6         | 8.6    | 7.9                              | 3.0           | 9.2          | 12.8         | 60.2  | 55.3          | 61.9         | 63.5         | 8.2    | 6.6                              | 1.9           | 9.3          | 12.9         |
| April . . .    | 64.1  | 58.2          | 66.9         | 67.2         | 9.0    | 16.7                             | 7.7           | 19.4         | 24.7         | 63.6  | 58.6          | 65.5         | 66.7         | 8.1    | 15.9                             | 6.5           | 22.6         | 27.2         |
| May . . .      | 70.3  | 64.5          | 73.1         | 73.4         | 8.9    | 18.2                             | 9.1           | 21.1         | 26.2         | 70.1  | 65.8          | 71.7         | 72.8         | 7.0    | 15.8                             | 8.0           | 20.1         | 25.1         |
| June . . .     | 75.9  | 71.7          | 77.4         | 78.7         | 7.0    | 15.8                             | 8.6           | 16.9         | 22.5         | 73.1  | 68.4          | 74.8*        | 76.1*        | 7.7    | 16.8                             | 11.0          | 19.5         | 24.2         |
| July . . .     | 80.1  | 77.2          | 80.5         | 82.6         | 5.4    | 6.8                              | 2.9           | 6.7          | 10.8         | 78.9  | 74.6          | 80.3         | 81.9         | 7.3    | 7.1                              | 4.9           | 7.2          | 10.5         |
| August . . .   | 79.4  | 76.4          | 80.5         | 81.4         | 5.0    | 8.2                              | 2.7           | 9.4          | 13.0         | 78.7  | 74.4          | 80.0         | 81.6         | 7.2    | 7.1                              | 4.2           | 7.6          | 11.3         |
| September . .  | 75.6  | 71.2          | 77.5         | 78.0         | 6.8    | 12.3                             | 4.7           | 15.0         | 19.7         | 75.1  | 70.5          | 76.6         | 78.3         | 7.8    | 10.9                             | 4.8           | 13.4         | 18.4         |
| October . . .  | 66.5  | 59.7          | 69.3         | 70.6         | 10.9   | 10.0                             | 3.5           | 13.0         | 16.8         | 66.9  | 60.7          | 69.2         | 70.9         | 10.2   | 8.4                              | 2.8           | 11.3         | 16.2         |
| November . . . | 58.5  | 49.4          | 61.3         | 64.9         | 15.5   | 7.5                              | 1.9           | 10.7         | 13.7         | 56.9  | 48.7          | 60.1         | 61.9         | 13.2   | 7.5                              | 2.4           | 11.3         | 15.7         |
| December . . . | 51.0  | 42.1          | 53.1         | 57.9         | 15.8   | 6.5                              | 2.2           | 8.1          | 11.5         | 50.4  | 42.7          | 53.2         | 55.4         | 12.7   | 6.1                              | 2.3           | 8.3          | 12.6         |
| Year . . .     | 64.9  | 59.2          | 66.9         | 68.7         | 9.5    | 10.1                             | 4.2           | 11.8         | 16.0         | 64.6  | 59.1          | 66.5         | 68.2         | 9.2    | 9.2                              | 4.2           | 11.8         | 16.1         |

\* Mean of 27 days.

14. CHAMBA.

15. KAILANG.

| MONTH,         | Mean. | 4<br>hours. | 10<br>hours. | 16<br>hours. | 22<br>hours. | Mini-<br>mum. | DIFFERENCE, DRY AND WET BULB. |             |              |              |              |               | Mean. | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              |
|----------------|-------|-------------|--------------|--------------|--------------|---------------|-------------------------------|-------------|--------------|--------------|--------------|---------------|-------|---------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|
|                |       |             |              |              |              |               | Mean.                         | 4<br>hours. | 10<br>hours. | 16<br>hours. | 22<br>hours. | Mini-<br>mum. |       |               |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |
| January . . .  | 44.1  | 41.5*       | 43.9         | 47.5         | 43.5         | 40.1          | 4.6                           | 3.0         | 4.5          | 6.8          | 3.9          | 2.5           | ...   | ...           | 21.8         | 23.3         | ...    | ...                              | ?             | 2.7          | 3.1          |
| February . . . | 43.1  | 39.7        | 43.0         | 47.6         | 42.2         | 38.5          | 5.4                           | 3.1         | 5.3          | 8.8          | 4.4          | 2.9           | ...   | ...           | 22.0         | 23.6         | ...    | ...                              | ?             | 2.8          | 3.4          |
| March . . .    | 51.1  | 48.0        | 51.9         | 54.2         | 50.4         | 47.3          | 6.8                           | 4.2         | 7.3          | 10.1         | 5.5          | 3.4           | ...   | ...           | 29.7         | 31.4         | ...    | ...                              | ?             | 4.3          | 5.1          |
| April . . .    | 54.9  | 50.7        | 56.5         | 58.4         | 53.9         | 50.5          | 12.0                          | 7.0         | 12.4         | 18.7         | 9.9          | 5.5           | ...   | ...           | 34.1         | 37.1         | ...    | ...                              | ?             | 6.3          | 7.2          |
| May . . .      | 60.6  | 56.4        | 62.1         | 64.3         | 59.6         | 55.9          | 11.6                          | 7.0         | 12.9         | 16.9         | 9.6          | 5.6           | ...   | ...           | 41.6         | 42.7         | ...    | ...                              | ?             | 10.9         | 13.3         |
| June . . .     | 65.4  | 61.8        | 67.0         | 68.4         | 64.4         | 61.5          | 13.8                          | 8.2         | 15.0         | 20.5         | 11.4         | 7.0           | ...   | ...           | 48.2         | 48.9         | ...    | ...                              | ?             | 13.6         | 17.9         |
| July . . .     | 73.1  | 71.1        | 73.5         | 75.0         | 72.8         | 70.4          | 4.5                           | 2.0         | 4.9          | 7.3          | 3.6          | 1.6           | ...   | ...           | 56.8         | 56.2         | ...    | ...                              | ?             | 8.5          | 13.1         |
| August . . .   | 71.8  | 69.3        | 72.8         | 74.1         | 71.0         | 68.6          | 4.5                           | 2.1         | 5.5          | 7.0          | 3.3          | 1.8           | ...   | ...           | 56.4         | 55.5         | ...    | ...                              | ?             | 9.0          | 13.9         |
| September . .  | 66.3  | 61.9        | 66.7         | 71.8         | 64.8         | 60.8          | 8.5                           | 4.4         | 10.7         | 12.4         | 6.4          | 3.8           | ...   | ...           | 48.6         | 49.0         | ...    | ...                              | ?             | 15.0         | 18.0         |
| October . . .  | 57.4  | 52.8        | 58.0         | 62.6         | 55.7         | 52.4          | 9.9                           | 5.9         | 11.5         | 14.4         | 7.8          | 4.7           | ...   | ...           | 40.3         | 41.0         | ...    | ...                              | ?             | 13.9         | 16.3         |
| November . . . | 48.9  | 43.8        | 49.5         | 55.0         | 47.2         | 42.9          | 9.0                           | 5.9         | 10.4         | 11.4         | 8.2          | 4.6           | ...   | ...           | 31.4         | 33.9         | ...    | ...                              | ?             | 13.5         | 15.9         |
| December . . . | 43.3  | 39.3        | 44.1         | 47.7         | 42.2         | 38.8          | 8.2                           | 6.2         | 7.9          | 11.0         | 7.5          | 4.7           | ...   | ...           | 26.9         | 31.5         | ...    | ...                              | ?             | 6.7          | 4.6          |
| Year . . .     | 56.7  | 53.0        | 57.5         | 60.6         | 55.6         | 52.3          | 8.2                           | 4.9         | 9.0          | 12.1         | 6.8          | 4.0           | ...   | ...           | 38.2         | 39.5         | ...    | ...                              | ?             | 8.9          | 11.0         |

Mean of 29 days.

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

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## 16. SIMLA.

## 17. DELHI.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . .   | 35.6  | 32.1     | 35.8      | 38.9      | 6.8    | 4.4                           | 4.4      | 6.2       | 4.6       | 53.0  | 48.0     | 54.3      | 56.7      | 8.7    | 6.3                           | 2.7      | 5.9       | 11.2      |
| February . . .  | 35.0  | 30.9     | 35.1      | 38.9      | 8.0    | 5.3                           | 4.1      | 6.7       | 6.6       | 51.4  | 45.3     | 52.4      | 56.6      | 11.3   | 9.9                           | 4.5      | 11.2      | 16.2      |
| March . . . .   | 41.9  | 38.1     | 42.6      | 44.9      | 6.8    | 5.6                           | 4.7      | 7.7       | 7.3       | 61.4  | 57.4     | 62.6      | 64.2      | 5.8    | 10.6                          | 4.0      | 12.7      | 18.4      |
| April . . . .   | 46.5  | 43.0     | 47.3      | 49.2      | 6.2    | 11.3                          | 8.0      | 13.4      | 15.3      | 65.3  | 60.5     | 67.3      | 69.7      | 9.2    | 19.6                          | 11.4     | 23.9      | 29.2      |
| May . . . . .   | 53.0  | 49.2     | 53.6      | 56.2      | 7.0    | 8.8                           | 6.2      | 10.3      | 11.9      | 71.0  | 67.7     | 71.9      | 73.5      | 5.8    | 17.9                          | 9.8      | 21.3      | 26.7      |
| June . . . . .  | 57.8  | 54.1*    | 58.4*     | 61.0      | 6.9    | 8.3                           | 5.9      | 9.5       | 11.2      | 75.9  | 74.1     | 76.7      | 76.8      | 2.7    | 14.3                          | 8.5      | 16.5      | 21.0      |
| July . . . . .  | 62.7  | 59.5     | 63.5      | 65.2      | 5.7    | 0.8                           | 1.1      | 1.0       | 1.2       | 79.7  | 77.8     | 80.2      | 81.0      | 3.2    | 5.2                           | 2.5      | 6.7       | 8.4       |
| August . . . .  | 61.7  | 58.1†    | 62.7†     | 64.4      | 6.3    | 1.0                           | 1.4      | 1.2       | 1.5       | 78.2  | 76.4     | 78.8      | 79.4      | 3.0    | 5.6                           | 2.3      | 6.4       | 9.4       |
| September . .   | 57.6  | 52.9     | 58.5      | 61.4      | 8.5    | 6.0                           | 4.6      | 6.6       | 8.2       | 74.5  | 71.2     | 75.1      | 77.3      | 6.1    | 11.0                          | 5.8      | 13.5      | 17.0      |
| October . . . . | 49.5  | 44.8     | 50.0      | 53.7      | 8.9    | 7.8                           | 6.8      | 9.1       | 9.3       | 68.7  | 64.6     | 70.3      | 71.3      | 6.7    | 10.1                          | 4.1      | 14.0      | 17.5      |
| November . . .  | 41.9  | 37.8     | 42.2      | 45.8      | 8.0    | 9.0                           | 7.3      | 11.2      | 10.9      | 58.5  | 52.4     | 60.3      | 62.8      | 10.4   | 10.8                          | 4.1      | 14.0      | 19.3      |
| December . . .  | 38.0  | 34.1     | 38.1      | 41.9      | 7.8    | 7.5                           | 6.6      | 9.4       | 8.4       | 52.8  | 46.5     | 54.0      | 57.9      | 11.4   | 8.9                           | 4.0      | 10.0      | 14.9      |
| Year . . . . .  | 48.4  | 44.6     | 49.0      | 51.8      | 7.2    | 6.3                           | 5.1      | 7.7       | 8.0       | 65.9  | 61.8     | 67.0      | 68.9      | 7.1    | 10.9                          | 5.3      | 13.0      | 17.4      |

\* Mean of 29 days.

† Mean of 30 days.

## 18. SIRSA.

## 19. CHAKRATA.

| MONTH.           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|------------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                  |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . . .  | 50.4  | 41.4     | 52.9*     | 56.8*     | 15.4   | 5.7                           | 3.3      | 5.1       | 10.7      | 36.1  | 32.1‡    | 38.0      | 38.3      | 6.2    | 5.3                           | 3.7      | 6.5       | 4.8       |
| February . . . . | 49.4  | 39.4     | 53.1†     | 55.8†     | 16.4   | 8.8                           | 4.0      | 11.0      | 17.1      | 36.6  | 31.4     | 39.1      | 39.3      | 7.9    | 6.2                           | 4.1      | 6.3       | 7.3       |
| March . . . . .  | 59.7  | 51.9     | 62.7      | 64.5      | 12.6   | 10.3                          | 5.1      | 12.6      | 18.5      | 42.6  | 37.5     | 45.3      | 44.9      | 7.4    | 6.0                           | 3.7      | 8.0       | 7.3       |
| April . . . . .  | 64.9  | 56.1     | 68.3      | 70.3      | 14.2   | 17.8                          | 11.0     | 23.1      | 27.9      | 46.3  | 40.9     | 48.9      | 49.2      | 8.3    | 14.0                          | 10.4     | 15.6      | 16.9      |
| May . . . . .    | 70.9  | 64.5     | 73.1      | 75.2      | 10.7   | 18.8                          | 12.2     | 23.2      | 27.4      | 52.9  | 48.7     | 54.8      | 55.1      | 6.4    | 7.8                           | 5.3      | 9.5       | 9.4       |
| June . . . . .   | 74.9  | 70.7     | 76.5      | 77.6      | 6.9    | 16.3                          | 10.2     | 18.2      | 23.8      | 58.1  | 54.5     | 59.7      | 60.2      | 5.7    | 8.0                           | 3.9      | 9.6       | 9.8       |
| July . . . . .   | 79.4  | 76.9     | 80.3      | 81.1      | 4.2    | 8.4                           | 4.0      | 9.8       | 13.6      | 62.9  | 60.1     | 63.7      | 64.8§     | 4.7    | 1.3                           | 0.4      | 1.7       | 1.7       |
| August . . . . . | 77.7  | 75.0     | 78.7      | 79.3      | 4.3    | 9.9                           | 4.0      | 11.9      | 16.8      | 62.0  | 58.9     | 63.1      | 64.0‡     | 5.1    | 1.9                           | 0.8      | 1.9       | 1.5       |
| September . . .  | 74.5  | 68.4     | 77.1      | 77.9      | 9.5    | 14.5                          | 8.2      | 15.5      | 23.5      | 58.7  | 53.6     | 60.1      | 62.3      | 8.7    | 4.9                           | 4.2      | 5.9       | 3.4       |
| October . . . .  | 65.3  | 57.6     | 68.9      | 69.3      | 11.7   | 13.7                          | 6.5      | 17.2      | 24.5      | 51.7  | 48.2     | 53.3      | 53.7      | 5.5    | 7.2                           | 4.2      | 9.4       | 8.9       |
| November . . . . | 55.6  | 45.2     | 59.2      | 62.4      | 17.2   | 11.3                          | 5.4      | 14.4      | 20.8      | 44.1  | 40.2     | 46.1      | 46.1      | 5.9    | 7.0                           | 4.8      | 9.9       | 7.9       |
| December . . . . | 49.0  | 39.9     | 51.9      | 55.1      | 15.2   | 10.0                          | 4.5      | 11.9      | 18.5      | 38.5  | 34.6     | 40.4      | 40.4      | 5.8    | 8.8                           | 6.1      | 11.0      | 8.7       |
| Year . . . . .   | 64.3  | 57.3     | 66.9      | 68.8      | 11.5   | 12.1                          | 6.5      | 14.5      | 20.3      | 49.2  | 45.1     | 51.0      | 51.5      | 6.5    | 6.5                           | 4.3      | 7.9       | 7.3       |

\* Mean of 23 days.

† " " 21 "

‡ Mean of 30 days.

§ " " 28 "

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

20A. DEHRA (TRIGL. S. O.)

20B. DEHRA (FOREST SCHOOL).

| MONTH.    | Mean. | Minimum.      | 9-30 hours. | 15-30 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |             |              | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------|-------|---------------|-------------|--------------|--------|-------------------------------|----------|-------------|--------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|           |       |               |             |              |        | Mean.                         | Minimum. | 9-30 hours. | 15-30 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January   | ...   | Not recorded. | 48.6        | 53.7         | ?      | ...                           | ?        | 3.6         | 8.3          | 48.8  | 41.8     | 51.1      | 53.6      | 11.8   | 3.7                           | 1.4      | 5.2       | 8.1       |
| February  | ...   |               | 49.0        | 54.7         | ?      | ...                           | ?        | 5.0         | 12.2         | 48.3  | 40.6     | 50.6      | 53.6      | 13.0   | 6.1                           | 1.4      | 8.3       | 13.1      |
| March     | ...   |               | 57.7        | 60.8         | ?      | ...                           | ?        | 7.2         | 12.3         | 56.5  | 50.3     | 58.8      | 60.3      | 10.0   | 6.6                           | 2.3      | 10.0      | 13.2      |
| April     | ...   |               | 61.2        | 63.8         | ?      | ...                           | ?        | 16.6        | 23.6         | 60.1  | 52.6     | 63.5      | 64.3      | 11.7   | 12.7                          | 5.5      | 18.3      | 23.2      |
| May       | ...   |               | 67.7        | 68.7         | ?      | ...                           | ?        | 14.2        | 18.7         | 65.6  | 61.0     | 68.0      | 67.9      | 6.9    | 11.1                          | 4.9      | 16.1      | 19.5      |
| June      | ...   |               | 73.0        | 74.1         | ?      | ...                           | ?        | 12.4        | 16.3         | 70.6  | 66.8     | 72.1      | 73.0      | 6.2    | 10.4                          | 5.4      | 14.0      | 16.7      |
| July      | ...   |               | 76.5        | 78.3         | ?      | ...                           | ?        | 3.6         | 4.8          | 75.3  | 72.4     | 76.5      | 76.9      | 4.5    | 2.8                           | 1.6      | 4.8       | 5.3       |
| August    | ...   |               | 75.2        | 77.1         | ?      | ...                           | ?        | 2.7         | 4.8          | 74.2  | 71.0     | 75.1      | 76.4      | 5.4    | 3.0                           | 1.7      | 4.4       | 5.3       |
| September | ...   |               | 73.5        | 75.9         | ?      | ...                           | ?        | 4.5         | 8.1          | 71.9  | 67.0     | 73.7      | 74.9      | 7.9    | 5.1                           | 2.4      | 7.5       | 9.7       |
| October   | ...   |               | 65.0        | 68.0         | ?      | ...                           | ?        | 7.1         | 11.4         | 63.6  | 57.0     | 66.2      | 67.6      | 10.6   | 6.2                           | 2.2      | 12.8      | 12.7      |
| November  | ...   |               | 56.6        | 60.8         | ?      | ...                           | ?        | 6.5         | 11.8         | 54.4  | 46.3     | 57.9      | 59.1      | 12.8   | 5.9                           | 1.6      | 10.9      | 13.6      |
| December  | ...   |               | 50.3        | 55.6         | ?      | ...                           | ?        | 6.4         | 11.5         | 49.4  | 41.4     | 52.1      | 54.6      | 13.2   | 4.9                           | 1.0      | 8.5       | 11.5      |
| Year      | ...   |               | 62.9        | 66.0         | ...    | ...                           | ...      | 7.5         | 12.0         | 61.6  | 55.7     | 63.8      | 65.2      | 9.5    | 6.5                           | 2.6      | 10.1      | 12.7      |

21. MUSSOOREE (TRIGL. S. O.)

22. ROORKEE.

| MONTH.    | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|           |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January   | ...   | ...      | ...       | ...       | ...    | ...                           | ...      | ...       | ...       | 51.9  | 45.1     | 53.8      | 56.7      | 11.6   | 4.6                           | 2.7      | 3.2       | 7.9       |
| February  | ...   | ...      | ...       | ...       | ...    | ...                           | ...      | ...       | ...       | 50.1  | 42.7     | 52.2      | 55.3      | 12.6   | 7.9                           | 3.3      | 7.2       | 14.7      |
| March     | ...   | ...      | ...       | ...       | ...    | ...                           | ...      | ...       | ...       | 59.1  | 52.4     | 61.5      | 63.5      | 11.1   | 10.5                          | 5.6      | 11.1      | 16.7      |
| April     | ...   | ...      | ...       | ...       | ...    | ...                           | ...      | ...       | ...       | 60.8  | 53.0     | 64.1      | 65.3      | 12.3   | 20.8                          | 10.6     | 23.3      | 29.5      |
| May       | ...   | ...      | ...       | ...       | ...    | ...                           | ...      | ...       | ...       | 68.7  | 62.9     | 71.5      | 71.6      | 8.7    | 16.3                          | 10.3     | 18.3      | 22.8      |
| June      | ...   | ...      | ...       | ...       | ...    | ...                           | ...      | ...       | ...       | 73.6  | 68.6     | 75.3      | 76.8      | 8.2    | 15.2                          | 9.0      | 16.2      | 21.1      |
| July      | ...   | ...      | ...       | ...       | ...    | ...                           | ...      | ...       | ...       | 79.0  | 76.2     | 79.9      | 81.0      | 4.8    | 5.5                           | 2.2      | 6.5       | 8.0       |
| August    | ...   | ...      | ...       | ...       | ...    | ...                           | ...      | ...       | ...       | 78.2  | 74.9     | 79.3      | 80.3      | 5.4    | 4.9                           | 2.1      | 5.3       | 8.4       |
| September | ...   | ...      | ...       | ...       | ...    | ...                           | ...      | ...       | ...       | 76.0  | 71.9     | 77.6      | 78.5      | 6.6    | 7.2                           | 2.0      | 8.0       | 12.8      |
| October   | ...   | ...      | ...       | ...       | ...    | ...                           | ...      | ...       | ...       | 66.3  | 60.9     | 68.7      | 69.2      | 8.3    | 9.4                           | 2.2      | 12.3      | 17.2      |
| November  | ...   | ...      | ...       | ...       | ...    | ...                           | ...      | ...       | ...       | 56.9  | 49.0     | 59.9      | 61.9      | 12.9   | 8.2                           | 1.6      | 10.9      | 15.5      |
| December  | 38.6  | 34.6     | 40.7      | 40.6      | 6.0    | 5.6                           | 6.4      | 9.2       | 6.7       | 51.2  | 43.6     | 52.9      | 57.0      | 13.4   | 6.8                           | 1.5      | 7.5       | 13.3      |
| Year      | ...   | ...      | ...       | ...       | ...    | ...                           | ...      | ...       | ...       | 64.3  | 58.4     | 66.4      | 68.1      | 9.7    | 9.8                           | 4.4      | 10.8      | 15.7      |



TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

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## 23. RANIKHET.

## 24. PITHORAGARH.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . .   | 40.2  | 34.6     | 42.4      | 43.7      | 9.1    | 5.0                           | 5.1      | 4.7       | 5.9       | 44.1  | 38.8     | 46.1      | 47.3      | 8.5    | 4.7                           | 2.5      | 4.3       | 8.3       |
| February . . .  | 41.0  | 35.1     | 42.8      | 45.1      | 10.0   | 7.1                           | 6.2      | 6.6       | 7.7       | 44.1  | 38.9     | 46.4      | 47.1      | 8.2    | 8.3                           | 3.7      | 7.2       | 12.6      |
| March . . .     | 46.7  | 40.8     | 49.1      | 50.1      | 9.3    | 5.6                           | 5.2      | 5.7       | 6.7       | 49.4  | 44.8     | 51.7      | 51.8      | 7.0    | 6.6                           | 3.3      | 6.5       | 10.6      |
| April . . .     | 50.9  | 44.5     | 53.3      | 54.8      | 10.3   | 13.9                          | 11.3     | 14.5      | 15.3      | 53.5  | 47.7     | 55.9      | 56.8      | 9.1    | 13.1                          | 7.8      | 12.9      | 18.1      |
| May . . .       | 56.3  | 49.3     | 59.4      | 60.1      | 10.8   | 7.8                           | 5.1      | 8.8       | 9.5       | 58.5  | 54.0     | 61.1      | 60.5      | 6.5    | 7.4                           | 3.7      | 7.5       | 11.0      |
| June . . .      | 61.1  | 56.1     | 62.9      | 64.2      | 8.1    | 7.6                           | 5.2      | 8.3       | 10.1      | 64.7  | 60.5     | 66.2      | 67.3      | 6.8    | 7.0                           | 3.8      | 6.9       | 11.1      |
| July . . .      | 65.4  | 61.5     | 67.0      | 67.7      | 6.2    | 2.8                           | 1.3      | 3.6       | 3.5       | 68.5  | 65.1     | 69.4      | 71.0      | 5.9    | 3.6                           | 1.3      | 3.2       | 6.3       |
| August . . .    | 63.7  | 60.3     | 65.1      | 65.7      | 5.4    | 2.4                           | 1.4      | 2.7       | 2.9       | 67.3  | 64.2     | 68.3      | 69.3      | 5.1    | 3.1                           | 1.2      | 3.2       | 4.8       |
| September . . . | 61.9  | 57.7     | 63.4      | 64.5      | 6.8    | 4.7                           | 2.7      | 5.5       | 6.0       | 65.4  | 61.4     | 66.6      | 68.1      | 6.7    | 4.7                           | 1.6      | 3.8       | 8.9       |
| October . . .   | 54.3  | 48.5     | 57.2      | 57.3      | 8.8    | 7.5                           | 6.8      | 8.3       | 9.7       | 58.4  | 53.5     | 60.7      | 60.9      | 7.4    | 6.8                           | 3.2      | 7.0       | 12.9      |
| November . . .  | 48.2  | 42.2     | 51.0      | 51.3      | 9.1    | 7.5                           | 5.8      | 8.2       | 8.6       | 51.8  | 45.8     | 54.3      | 55.2      | 9.4    | 7.7                           | 3.6      | 7.2       | 12.3      |
| December . . .  | 43.7  | 37.4     | 46.2      | 47.4      | 10.0   | 7.2                           | 6.4      | 7.8       | 8.0       | 46.2  | 40.1     | 48.6      | 50.0      | 9.9    | 7.0                           | 3.7      | 6.8       | 10.9      |
| Year . . .      | 52.8  | 47.3     | 55.0      | 56.0      | 8.7    | 6.6                           | 5.2      | 7.1       | 7.8       | 56.0  | 51.2     | 57.9      | 58.8      | 7.5    | 6.7                           | 3.3      | 6.4       | 10.7      |

## 25. MEERUT.

## 26. BAREILLY.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . .   | 52.1  | 46.5     | 53.6      | 56.2      | 9.7    | 5.2                           | 0.6      | 5.0       | 9.5       | 53.5  | 47.2     | 54.3      | 58.9      | 11.7   | 4.2                           | 1.1      | 3.5       | 8.2       |
| February . . .  | 49.9  | 43.6     | 51.6      | 54.4      | 10.8   | 10.1                          | 2.4      | 11.4      | 16.5      | 52.2  | 45.3     | 53.2      | 58.2      | 12.9   | 7.7                           | 2.2      | 7.4       | 14.4      |
| March . . .     | 59.9  | 54.9     | 61.8      | 62.9      | 8.0    | 11.1                          | 3.9      | 12.1      | 18.1      | 63.8  | 58.0     | 65.7      | 67.7      | 9.7    | 8.0                           | 2.6      | 9.6       | 13.7      |
| April . . .     | 62.7  | 57.3     | 65.1      | 65.8      | 8.5    | 20.2                          | 9.1      | 24.2      | 29.1      | 65.2  | 58.5     | 67.5      | 69.7      | 11.2   | 16.5                          | 6.6      | 19.7      | 26.0      |
| May . . .       | 70.8  | 66.8     | 72.8      | 72.8      | 6.0    | 15.7                          | 7.6      | 17.6      | 23.4      | 71.8  | 67.2     | 73.4      | 74.8      | 7.6    | 13.4                          | 6.8      | 15.8      | 21.3      |
| June . . .      | 75.5  | 72.9     | 76.6      | 77.0      | 4.1    | 12.6                          | 6.4      | 13.6      | 17.7      | 76.5  | 73.4     | 76.8      | 79.2      | 5.8    | 10.6                          | 5.6      | 11.6      | 16.5      |
| July . . .      | 79.8  | 77.7     | 80.4      | 81.2      | 3.5    | 5.4                           | 2.5      | 5.6       | 6.9       | 80.1  | 77.1     | 81.1      | 82.0      | 4.9    | 3.3                           | 1.7      | 4.0       | 4.9       |
| August . . .    | 78.4  | 76.4     | 78.9      | 79.8      | 3.4    | 5.4                           | 1.6      | 5.9       | 8.0       | 78.8  | 76.9     | 79.4      | 80.2      | 3.3    | 4.5                           | 1.4      | 5.9       | 7.6       |
| September . . . | 74.7  | 71.3     | 75.6      | 77.2      | 5.9    | 8.8                           | 3.1      | 10.3      | 14.1      | 77.0  | 73.6     | 78.0      | 79.5      | 5.9    | 5.7                           | 1.7      | 6.4       | 10.3      |
| October . . .   | 67.6  | 62.1     | 69.5      | 71.2      | 9.1    | 9.8                           | 2.7      | 12.0      | 15.2      | 70.1  | 65.7     | 71.9      | 72.8      | 7.1    | 7.1                           | 1.4      | 9.0       | 14.8      |
| November . . .  | 57.1  | 49.1     | 59.5      | 62.7      | 13.6   | 8.9                           | 2.8      | 11.2      | 14.6      | 60.9  | 52.3     | 62.9      | 67.6      | 15.3   | 6.6                           | 2.0      | 8.3       | 13.7      |
| December . . .  | 51.7  | 44.4     | 53.3      | 57.4      | 13.0   | 7.6                           | 2.6      | 7.5       | 12.7      | 54.3  | 46.1     | 55.6      | 61.2      | 15.1   | 5.5                           | 1.8      | 6.2       | 11.4      |
| Year . . .      | 65.0  | 60.3     | 66.6      | 68.2      | 8.0    | 10.0                          | 3.8      | 11.4      | 15.5      | 67.0  | 61.8     | 68.3      | 71.0      | 9.2    | 7.8                           | 2.9      | 9.0       | 13.6      |

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

## 27. AGRA.

## 28. LUCKNOW.

| Month.         | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . .  | 54.0  | 47.3     | 55.2      | 59.6      | 12.3   | 8.3                           | 2.4      | 7.4       | 12.8      | 53.8  | 45.0     | 56.4      | 60.1      | 15.1   | 7.5                           | 2.8      | 6.6       | 10.8      |
| February . . . | 51.4  | 43.5     | 52.9      | 57.7      | 14.2   | 13.2                          | 5.7      | 13.1      | 19.9      | 51.8  | 43.9     | 53.3      | 58.1      | 14.2   | 12.5                          | 5.7      | 13.0      | 18.8      |
| March . . .    | 62.3  | 57.0     | 63.8      | 66.0      | 9.0    | 14.6                          | 6.3      | 14.3      | 21.7      | 62.2  | 56.1     | 63.5      | 67.0      | 10.9   | 14.0                          | 5.1      | 16.9      | 20.9      |
| April . . .    | 65.3  | 58.3     | 67.8      | 69.7      | 11.4   | 23.7                          | 12.9     | 24.8      | 31.6      | 64.3  | 56.8     | 66.5      | 69.5      | 12.7   | 21.8                          | 11.1     | 26.2      | 30.4      |
| May . . .      | 71.7  | 68.1     | 72.9      | 74.2      | 6.1    | 21.6                          | 11.9     | 21.6      | 29.8      | 72.7  | 67.8     | 74.4      | 75.8      | 8.0    | 16.4                          | 7.2      | 18.6      | 23.4      |
| June . . .     | 76.7  | 73.3     | 78.0      | 78.8      | 5.5    | 14.9                          | 9.1      | 15.2      | 20.9      | 78.1  | 73.7*    | 79.4      | 81.3      | 7.6    | 11.5                          | 4.1      | 13.7      | 15.9      |
| July . . .     | 79.9  | 77.3     | 81.0      | 81.5      | 4.2    | 6.0                           | 3.0      | 5.5       | 7.5       | 79.8  | 77.5     | 80.4      | 81.4      | 3.9    | 4.3                           | 1.7      | 5.0       | 6.2       |
| August . . .   | 79.2  | 76.4     | 80.4      | 80.7      | 4.3    | 5.6                           | 2.2      | 5.3       | 6.9       | 79.3  | 77.3     | 80.0      | 80.5      | 3.2    | 4.8                           | 1.8      | 5.7       | 7.0       |
| September . .  | 75.8  | 70.6     | 76.8      | 80.1      | 9.5    | 9.9                           | 4.7      | 10.1      | 12.7      | 77.7  | 74.4     | 78.7      | 80.0      | 5.6    | 6.3                           | 1.6      | 7.8       | 9.5       |
| October . . .  | 70.8  | 66.1     | 72.6      | 73.8      | 7.7    | 11.3                          | 5.6      | 12.1      | 16.8      | 72.4  | 67.9     | 73.8      | 75.4      | 7.5    | 6.5                           | 1.9      | 9.6       | 10.4      |
| November . . . | 60.1  | 52.0     | 62.7      | 65.7      | 13.7   | 12.6                          | 4.9      | 14.1      | 18.7      | 61.0  | 52.7     | 64.1      | 66.2      | 13.5   | 8.9                           | 1.8      | 12.9      | 14.7      |
| December . . . | 54.5  | 46.2     | 56.6      | 60.6      | 14.4   | 9.8                           | 4.2      | 10.1      | 15.3      | 55.4  | 46.7     | 58.2      | 61.3      | 14.6   | 7.3                           | 2.2      | 8.7       | 11.8      |
| Year . . .     | 66.8  | 61.3     | 68.4      | 70.7      | 9.4    | 12.6                          | 6.1      | 12.8      | 17.9      | 67.4  | 61.7     | 69.1      | 71.4      | 9.7    | 10.2                          | 3.9      | 12.1      | 15.0      |

\* Mean of 29 days.

## 29. GORAKHPUR.

## 30. JHANSI.

| Month.         | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . .  | 55.8  | 48.1     | 58.8      | 60.5      | 12.4   | 4.4                           | 1.1      | 5.6       | 9.1       | 54.3  | 48.7     | 56.3      | 57.8      | 9.1    | 8.8                           | 2.2      | 9.6       | 14.0      |
| February . . . | 54.7  | 47.7     | 56.4      | 60.0      | 12.3   | 8.1                           | 2.3      | 10.0      | 14.5      | 52.2  | 47.1     | 53.7      | 55.9      | 8.8    | 13.3                          | 4.1      | 15.8      | 20.7      |
| March . . .    | 65.1  | 61.1     | 67.0      | 67.1      | 6.0    | 11.7                          | 3.0      | 13.6      | 19.5      | 62.7  | 59.0     | 63.7      | 65.4      | 6.4    | 15.4                          | 5.5      | 18.5      | 23.1      |
| April . . .    | 67.2  | 62.3     | 69.5      | 69.8      | 7.5    | 17.9                          | 7.9      | 20.4      | 27.1      | 64.0  | 60.4     | 64.9      | 66.8      | 6.4    | 24.7                          | 13.0     | 28.8      | 34.1      |
| May . . .      | 74.2  | 70.4     | 76.0      | 76.1      | 5.7    | 11.9                          | 5.4      | 12.5      | 18.6      | 71.1  | 67.4     | 72.4      | 73.6      | 6.2    | 23.0                          | 12.4     | 27.0      | 30.4      |
| June . . .     | 78.6  | 76.1     | 80.4      | 79.3      | 3.2    | 10.0                          | 4.3      | 10.3      | 15.4      | 75.9  | 73.8     | 76.9      | 77.1      | 3.3    | 15.3                          | 7.2      | 16.8      | 19.3      |
| July . . .     | 80.3  | 78.1     | 81.3      | 81.4      | 3.3    | 3.3                           | 1.4      | 4.3       | 5.3       | 78.3  | 76.1     | 79.3      | 79.4      | 3.3    | 4.2                           | 2.0      | 5.0       | 5.9       |
| August . . .   | 79.9  | 77.6     | 80.6      | 81.5      | 3.9    | 4.0                           | 1.7      | 4.5       | 5.4       | 77.9  | 76.1     | 78.6      | 79.1      | 3.0    | 4.7                           | 0.6      | 5.9       | 7.6       |
| September . .  | 79.0  | 76.6     | 80.3      | 80.1      | 3.5    | 4.6                           | 1.5      | 5.3       | 6.5       | 74.4  | 70.5     | 76.2      | 76.5      | 6.0    | 9.2                           | 3.9      | 11.6      | 13.8      |
| October . . .  | 73.1  | 70.3     | 74.9      | 74.1      | 3.8    | 5.7                           | 1.7      | 7.3       | 9.1       | 71.9  | 69.0     | 73.6      | 73.1      | 4.1    | 7.3                           | 2.4      | 8.7       | 11.7      |
| November . . . | 63.9  | 58.0     | 67.1      | 66.6      | 8.6    | 6.0                           | 1.5      | 9.2       | 11.1      | 59.8  | 53.2     | 62.8      | 63.5      | 10.3   | 13.1                          | 5.4      | 14.3      | 18.7      |
| December . . . | 58.2  | 51.9     | 60.4      | 62.3      | 10.4   | 4.4                           | 1.0      | 6.1       | 7.4       | 54.3  | 48.0     | 56.2      | 58.7      | 10.7   | 11.0                          | 4.9      | 12.2      | 16.8      |
| Year . . .     | 69.2  | 64.9     | 71.1      | 71.6      | 6.7    | 7.7                           | 2.7      | 9.1       | 12.4      | 66.4  | 62.4     | 67.9      | 68.9      | 6.5    | 12.5                          | 5.3      | 14.5      | 18.0      |

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

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## 31. ALLAHABAD.

## 32. BENARES.

| MONTH.      | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | Minimum. | DIFFERENCE, DRY AND WET BULB. |          |           |           |           |          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-------------|-------|----------|-----------|-----------|-----------|----------|-------------------------------|----------|-----------|-----------|-----------|----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|             |       |          |           |           |           |          | Mean.                         | 6 hours. | 10 hours. | 16 hours. | 22 hours. | Minimum. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January .   | 55.1  | 48.7     | 57.6      | 60.3      | 53.9      | 47.2     | 5.2                           | 1.2      | 7.0       | 12.1      | 2.8       | 0.9      | 54.3  | 47.1     | 56.6      | 59.3      | 12.2   | 7.2                           | 1.5      | 7.7       | 13.2      |
| February .  | 53.0  | 46.9     | 54.5      | 58.5      | 52.2      | 45.5     | 10.7                          | 4.7      | 12.8      | 19.3      | 8.1       | 3.9      | 52.7  | 46.1     | 54.5      | 57.4*     | 11.3   | 12.5                          | 4.5      | 14.4      | 21.3      |
| March .     | 64.3  | 59.3     | 66.5      | 67.7      | 63.6      | 58.1     | 12.0                          | 5.0      | 15.0      | 21.1      | 9.3       | 4.9      | 62.9  | 58.1     | 64.9      | 65.7      | 7.6    | 14.0                          | 5.0      | 16.5      | 23.7      |
| April .     | 66.3  | 60.0     | 70.1      | 71.4      | 63.9      | 59.3     | 20.2                          | 11.1     | 23.6      | 30.2      | 18.4      | 10.8     | 63.9  | 59.0     | 65.9      | 66.7      | 7.7    | 22.5                          | 10.8     | 27.2      | 34.8      |
| May .       | 73.5  | 70.8     | 75.4      | 74.8      | 73.1      | 69.8     | 17.8                          | 8.9      | 20.2      | 27.6      | 15.3      | 8.5      | 72.6  | 69.7     | 74.2      | 73.9      | 4.2    | 17.6                          | 8.7      | 19.4      | 27.6      |
| June .      | 76.4  | 74.8     | 77.5      | 77.4      | 76.0      | 73.3     | 14.1                          | 8.4      | 16.2      | 20.9      | 12.2      | 8.3      | 76.2  | 74.0     | 77.2      | 77.4      | 3.4    | 14.3                          | 7.9      | 15.7      | 20.4      |
| July .      | 79.9  | 78.8     | 80.2      | 80.6      | 79.3      | 74.3     | 3.5                           | 1.6      | 4.8       | 6.6       | 2.6       | 4.5      | 79.1  | 77.1     | 79.9      | 80.3      | 3.2    | 3.8                           | 2.1      | 3.9       | 6.2       |
| August .    | 79.2  | 77.6     | 79.5      | 80.6      | 78.9      | 77.0     | 4.1                           | 1.8      | 5.5       | 7.2       | 2.9       | 1.5      | 78.6  | 76.6     | 79.3      | 79.9      | 3.3    | 4.8                           | 2.3      | 5.2       | 6.9       |
| September . | 78.2  | 76.3     | 79.2      | 79.5      | 77.9      | 75.4     | 4.4                           | 1.3      | 6.4       | 8.7       | 2.3       | 1.3      | 77.8  | 75.3     | 79.0      | 79.0      | 3.7    | 4.4                           | 2.0      | 5.3       | 7.6       |
| October .   | 74.1  | 72.4     | 75.7      | 74.9      | 73.2      | 71.5     | 5.2                           | 1.2      | 7.2       | 12.4      | 2.7       | 1.1      | 73.6  | 70.9     | 75.2      | 74.7      | 3.8    | 6.0                           | 2.0      | 7.8       | 10.9      |
| November .  | 62.1  | 57.0     | 65.4      | 65.4      | 60.6      | 55.9     | 8.0                           | 1.6      | 11.8      | 17.9      | 4.1       | 1.2      | 62.5  | 56.4     | 65.0      | 66.1      | 9.7    | 8.0                           | 1.9      | 10.7      | 14.9      |
| December .  | 56.5  | 50.9     | 58.3      | 61.3      | 55.4      | 49.4     | 5.2                           | 1.5      | 7.5       | 12.4      | 2.8       | 1.0      | 56.3  | 49.3     | 58.6      | 61.1      | 11.8   | 6.1                           | 1.7      | 7.9       | 12.1      |
| Year .      | 68.2  | 64.5     | 70.0      | 71.0      | 67.3      | 63.1     | 9.2                           | 4.0      | 11.5      | 16.4      | 7.0       | 4.0      | 67.5  | 63.3     | 69.2      | 70.1      | 6.8    | 10.1                          | 4.2      | 11.8      | 16.6      |

\* Mean of 27 days.

## 33. GHAZIPUR.

## 34. KATMANDU.

| MONTH.      | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |                       |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-------------|-------|----------|-----------|-----------|--------|-------------------------------|-----------------------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|             |       |          |           |           |        | Mean.                         | Minimum.              | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January .   | 55.4  | 49.3*    | 58.2      | 58.6      | 9.3    | 6.9                           | 3.9                   | 7.1       | 12.8      | 45.2  | 34.9     | 47.4      | 53.2      | 18.3   | 3.4                           | 1.1      | 4.9       | 7.9       |
| February .  | 53.5  | 47.3†    | 56.2      | 57.0      | 9.7    | 12.4                          | 7.3                   | 13.4      | 20.1      | 45.7  | 34.6     | 49.3      | 53.3      | 18.7   | 4.6                           | 1.1      | 8.2       | 11.5      |
| March .     | 64.1  | 58.5*    | 66.7      | 67.0      | 8.5    | ?                             | Shade min. imperfect. | 16.4      | 21.8      | 52.9  | 44.1     | 56.1      | 58.5      | 14.4   | 5.8                           | 1.1      | 11.5      | 13.7      |
| April .     | 66.5  | 64.7     | 67.6      | 67.1      | 2.4    | 19.8                          | 8.2                   | 26.4      | 32.5      | 55.3  | 46.5     | 58.4      | 61.0      | 14.5   | 7.1                           | 1.0      | 13.6      | 16.2      |
| May .       | 74.6  | 72.9     | 75.7      | 75.1      | 2.2    | 14.0                          | 5.2                   | 18.3      | 23.9      | 61.7  | 56.5     | 63.6      | 64.9      | 8.4    | 5.4                           | 1.0      | 8.6       | 11.7      |
| June .      | 77.9  | 76.5     | 79.3      | 77.8      | 1.3    | 11.2                          | 5.4                   | 14.1      | 18.4      | 68.1  | 63.6     | 69.7      | 70.9      | 7.3    | 5.5                           | 1.1      | 8.6       | 11.5      |
| July .      | 79.3  | 77.2     | 80.2      | 80.5      | 3.3    | 3.9                           | 2.1                   | 4.9       | 6.6       | 70.2  | 66.4     | 70.9      | 73.4      | 7.0    | 4.2                           | 1.2      | 6.9       | 7.8       |
| August .    | 79.0  | 76.9     | 80.1      | 80.1      | 3.2    | 4.0                           | 2.1                   | 5.4       | 6.9       | 68.8  | 65.2     | 70.3      | 71.0      | 5.8    | 2.9                           | 1.0      | 5.7       | 6.1       |
| September . | 78.7  | 77.0     | 80.2‡     | 78.9‡     | 1.9    | 3.4                           | 1.6                   | 5.6       | 6.6       | 68.1  | 63.7     | 69.9      | 70.7      | 7.0    | 3.1                           | 1.1      | 7.5       | 6.8       |
| October .   | 74.4  | 71.7     | 76.4§     | 75.1†     | 3.4    | 5.0                           | 2.1                   | 8.3       | 9.8       | 61.4  | 55.0     | 64.2      | 65.1      | 10.1   | 3.8                           | 1.1      | 8.6       | 9.2       |
| November .  | 63.4  | 58.9     | 66.7      | 64.5      | 5.6    | 6.6                           | 2.3                   | 11.6      | 14.3      | 53.3  | 43.2     | 56.9      | 59.7      | 16.5   | 3.4                           | 1.0      | 7.2       | 9.4       |
| December .  | 57.8  | 51.9     | 60.7      | 60.9      | 9.0    | 5.1                           | 2.6                   | 7.3       | 10.4      | 47.2  | 36.6     | 51.5      | 53.5      | 16.9   | 2.9                           | 1.1      | 6.3       | 9.0       |
| Year .      | 68.7  | 65.2     | 70.7      | 70.2      | 5.0    | ?                             | ?                     | 11.6      | 15.3      | 58.2  | 50.9     | 60.7      | 62.9      | 12.1   | 4.3                           | 1.1      | 8.1       | 10.1      |

\* Mean of 30 days. † Mean of 28 days.  
‡ " " 27 " § " " 26 "

|| Mean of 29 days.

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TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

## 35. SIBSAGAR.

## 36. TEZPUR.

| MONTH.    | Mean. | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              | Mean.                                       | Minimum.            | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |                         |              |
|-----------|-------|---------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|---------------------------------------------|---------------------|--------------|--------------|--------|----------------------------------|---------------|-------------------------|--------------|
|           |       |               |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |                                             |                     |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours.            | 16<br>hours. |
| January   | 57.1  | 50.7          | 58.9         | 61.6         | 10.9   | 2.9                              | 0.2           | 1.2          | 5.8          | ...                                         | Untrust-<br>worthy. | 61.6         | 65.0         | ?      | ?                                | ?             | 3.3                     | 4.7          |
| February  | 58.3  | 52.7          | 60.0         | 62.1         | 9.4    | 5.2                              | 0.5           | 4.5          | 8.8          | ...                                         |                     | 64.5         | 69.9         | ?      | ?                                | ?             | 2.3                     | 3.0          |
| March     | 64.3  | 58.7          | 66.2         | 67.9         | 9.2    | 5.9                              | 1.0           | 5.6          | 9.9          | ...                                         |                     | 70.9         | 74.8         | ?      | ?                                | ?             | 6.0                     | 7.1          |
| April     | 68.4  | 63.5          | 70.1         | 71.5         | 8.0    | 5.5                              | 1.0           | 5.6          | 9.3          | Shade minimum and hygrometer untrustworthy. |                     |              |              |        |                                  |               |                         |              |
| May       | 73.8  | 70.0          | 74.8         | 76.7         | 6.7    | 5.8                              | 1.3           | 5.3          | 9.1          |                                             |                     |              |              |        |                                  |               |                         |              |
| June      | 78.9  | 75.8          | 79.9         | 81.1         | 5.3    | 5.3                              | 1.3           | 4.6          | 7.4          |                                             |                     |              |              |        |                                  |               |                         |              |
| July      | 79.3  | 76.9          | 79.6         | 81.5         | 4.6    | 4.3                              | 1.3           | 3.1          | 6.8          |                                             | 78.2                | 75.1*        | 80.5†        | 79.0*  | 3.9                              | ?             | Shade<br>min.<br>impft. | 4.0          |
| August    | 79.5  | 76.9          | 80.3         | 81.2         | 4.3    | 3.2                              | 1.1           | 3.0          | 5.1          | 77.9                                        | 74.5                | 79.8‡        | 79.4§        | 4.9    | 1.2                              | 0.6           | 3.8                     | 3.7          |
| September | 78.2  | 75.3          | 79.3         | 80.1         | 4.8    | 2.9                              | 0.9           | 2.5          | 4.4          | 76.6                                        | 73.2                | 78.7         | 77.8         | 4.6    | 1.1                              | 0.6           | 4.4                     | 3.7          |
| October   | 75.3  | 71.4          | 76.8         | 77.8         | 6.4    | 3.4                              | 1.2           | 3.6          | 5.2          | 74.5                                        | 70.3                | 77.2         | 75.9         | 5.6    | 1.9                              | 0.7           | 5.7                     | 5.9          |
| November  | 64.3  | 58.1          | 66.3         | 68.5         | 10.4   | 3.6                              | 0.8           | 3.2          | 6.7          | 64.7                                        | 58.0                | 68.7         | 67.3         | 9.3    | 2.1                              | 0.9           | 7.4                     | 7.4          |
| December  | 58.8  | 52.0          | 60.8         | 63.6         | 11.6   | 3.5                              | 0.8           | 1.9          | 5.7          | 60.3                                        | 53.1                | 64.9         | 62.8         | 9.7    | 1.2                              | 0.5           | 6.5                     | 6.5          |
| Year      | 69.7  | 65.2          | 71.1         | 72.8         | 7.6    | 4.3                              | 1.0           | 3.7          | 7.0          | ?                                           | ?                   | ?            | ?            | ?      | ?                                | ?             | ?                       | ?            |

\* Mean of 23 days.

† Mean of 30 days.

‡ " " 24 "

§ " " 29 "

## 37. DHUBRI.

## 38. TURA.

| MONTH.    | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum.      | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|---------------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|           |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |               |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January   | 57.5  | 52.0     | 58.8      | 61.8      | 9.8    | 5.7                           | 1.0      | 4.5       | 11.6      | ...   | Not recorded. | 57.5      | 59.4      | ...    | ...                           | ?        | 7.8       | 10.5      |
| February  | 56.9  | 51.7     | 57.8      | 61.1      | 9.4    | 8.3                           | 2.2      | 7.4       | 15.3      | ...   |               | 55.8      | 57.6      | ...    | ...                           | ?        | 10.6      | 15.3      |
| March     | 64.8  | 60.4     | 66.7      | 67.4      | 7.0    | 10.8                          | 4.2      | 10.4      | 19.2      | ...   |               | 64.4      | 65.5      | ...    | ...                           | ?        | 12.0      | 17.2      |
| April     | 70.2  | 66.2     | 71.6      | 72.7      | 6.5    | 9.0                           | 4.3      | 9.1       | 15.2      | ...   |               | 69.7      | 71.1      | ...    | ...                           | ?        | 9.6       | 13.5      |
| May       | 74.3  | 70.7     | 75.3      | 76.8      | 6.1    | 4.5                           | 2.2      | 5.1       | 7.9       | ...   |               | 72.7      | 74.0      | ...    | ...                           | ?        | 6.8       | 8.5       |
| June      | 78.3  | 75.8     | 79.5      | 79.7      | 3.9    | 2.7                           | 1.6      | 4.1       | 4.9       | ...   |               | 76.5      | 77.4      | ...    | ...                           | ?        | 4.6       | 5.5       |
| July      | 78.8  | 76.8     | 79.7      | 79.9      | 3.1    | 2.9                           | 1.9      | 3.5       | 4.7       | ...   |               | 76.4      | 76.7      | ...    | ...                           | ?        | 3.6       | 4.7       |
| August    | 78.1  | 76.4     | 78.8      | 79.1      | 2.7    | 3.0                           | 2.0      | 3.1       | 4.6       | ...   |               | 76.3      | 76.3      | ...    | ...                           | ?        | 3.4       | 3.5       |
| September | 77.0  | 75.6     | 77.3      | 78.0      | 2.4    | 2.6                           | 1.3      | 2.9       | 4.2       | ...   |               | 74.8      | 74.9      | ...    | ...                           | ?        | 3.9       | 3.6       |
| October   | 75.8  | 73.2     | 76.7      | 77.5      | 4.3    | 4.1                           | 1.8      | 4.3       | 7.2       | ...   |               | 73.8      | 75.1      | ...    | ...                           | ?        | 5.6       | 6.0       |
| November  | 66.6  | 62.6*    | 67.7*     | 69.6†     | 7.0    | 4.6                           | 1.3      | 5.1       | 8.8       | ...   |               | 66.7      | 68.1      | ...    | ...                           | ?        | 8.6       | 8.2       |
| December  | 61.1  | 56.6     | 62.2      | 64.5      | 7.9    | 4.3                           | 0.7      | 3.6       | 8.9       | ...   |               | 61.4      | 62.9      | ...    | ...                           | ?        | 7.1       | 7.5       |
| Year      | 70.0  | 66.5     | 71.0      | 72.3      | 5.8    | 5.2                           | 2.0      | 5.3       | 9.4       | ...   |               | 68.8      | 69.9      | ...    | ...                           | ...      | 7.0       | 8.6       |

\* Mean of 26 days.

† Mean of 25 days.

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

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## 39. SILCHAR.

## 40. DARJEELING.

| MONTH.    | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|           |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January   | 58.7  | 51.1     | 61.4      | 63.7      | 12.6   | 5.2                           | 0.9      | 3.9       | 12.3      | 37.6  | 33.1*    | 39.4*     | 40.3†     | 7.2    | 2.3                           | 2.1      | 3.1       | 2.0       |
| February  | 58.4  | 50.7     | 61.7      | 62.8      | 12.1   | 7.2                           | 1.2      | 7.2       | 15.0      | 37.9  | 33.3     | 39.7      | 40.6      | 7.3    | 2.3                           | 1.7      | 3.0       | 2.5       |
| March     | 66.8  | 61.4     | 68.7      | 70.4      | 9.0    | 6.4                           | 1.5      | 6.0       | 12.9      | 44.6  | 39.7     | 46.7*     | 47.5†     | 7.8    | 4.7                           | 3.4      | 5.0       | 5.9       |
| April     | 71.7  | 66.7     | 73.5      | 74.8      | 8.1    | 5.7                           | 1.9      | 6.6       | 10.0      | 48.0  | 42.4†    | 50.3†     | 51.4‡     | 9.0    | 5.4                           | 4.0      | 6.8       | 5.9       |
| May       | 74.7  | 70.3     | 76.8      | 77.1      | 6.8    | 5.9                           | 1.7      | 6.1       | 10.5      | 53.7  | 48.9     | 56.1      | 56.0*     | 7.1    | 1.9                           | 1.5      | 2.0       | 2.7       |
| June      | 78.3  | 75.5     | 79.0      | 80.3      | 4.8    | 4.6                           | 1.3      | 5.7       | 7.1       | 59.2  | 54.9     | 60.8      | 62.0†     | 7.1    | 1.4                           | 1.3      | 1.6       | 1.6       |
| July      | 78.3  | 75.8     | 79.1      | 79.9      | 4.1    | 3.5                           | 1.1      | 4.2       | 5.7       | 60.4  | 56.9     | 62.1      | 62.3*     | 5.4    | 0.7                           | 0.7      | 0.8       | 0.8       |
| August    | 78.1  | 75.6     | 79.0*     | 79.7      | 4.1    | 3.3                           | 1.0      | 3.8       | 5.5       | 59.6  | 56.3     | 61.1      | 61.5*     | 5.2    | 1.1                           | 0.8      | 1.3       | 1.1       |
| September | 77.8  | 75.1     | 78.7      | 79.5      | 4.4    | 3.5                           | 1.1      | 3.6       | 6.1       | 57.9  | 54.4     | 59.5      | 59.7§     | 5.3    | 1.0                           | 0.8      | 1.2       | 1.4       |
| October   | 76.9  | 73.4     | 78.4      | 78.9      | 5.5    | 5.3                           | 1.1      | 6.1       | 9.5       | 53.2  | 48.9*    | 55.0*     | 55.8§     | 6.9    | 1.9                           | 1.6      | 2.2       | 2.1       |
| November  | 67.3  | 61.1     | 69.4      | 71.3      | 10.2   | 7.0                           | 1.6      | 8.9       | 12.6      | 44.4  | 39.3     | 46.6      | 47.2†     | 7.9    | 4.0                           | 3.9      | 5.1       | 3.6       |
| December  | 61.5  | 54.7     | 64.0      | 65.7      | 11.0   | 5.7                           | 1.0      | 5.4       | 12.2      | 39.9  | 35.7*    | 41.7      | 42.4      | 6.7    | 2.2                           | 2.0      | 3.1       | 2.1       |
| Year      | 70.7  | 66.0     | 72.5      | 73.7      | 7.7    | 5.3                           | 1.3      | 5.6       | 10.0      | 49.7  | 45.3     | 51.6      | 52.2      | 6.9    | 2.4                           | 2.0      | 2.9       | 2.6       |

\* Mean of 30 days.

‡ Mean of 27 days.

† " " 29 "

§ " " 28 "

## 41. PEDONG.

## 42. PURNEAH.

| MONTH.    | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |                          |           |           |
|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|--------------------------|-----------|-----------|
|           |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum.                 | 10 hours. | 16 hours. |
| January   | 46.7  | 41.2*    | 49.9†     | 49.0      | 7.8    | 0.6                           | 1.0      | 2.9       | 3.4       | 55.4  | 45.9     | 59.0      | 61.3      | 15.4   | ...                           | Not recorded.            | 6.1       | 11.7      |
| February  | 46.7  | 41.3     | 49.4      | 49.3      | 8.0    | 2.0                           | 1.4      | 4.5       | 5.3       | 54.9  | 45.9     | 58.0      | 60.9      | 15.0   | ...                           | ?                        | 10.1      | 16.2      |
| March     | 53.7  | 47.6     | 56.7      | 56.7      | 9.1    | 3.7                           | 2.3      | 6.1       | 8.1       | 65.6  | 57.4     | 69.0      | 70.3      | 12.9   | ...                           | ?                        | 12.8      | 19.4      |
| April     | 56.0  | 49.6     | 59.2      | 59.2*     | 9.6    | 4.4                           | 3.5      | 7.4       | 8.4       | 69.0  | 62.0     | 72.9      | 72.1      | 10.1   | ...                           | ?                        | 17.0      | 24.9      |
| May       | 61.4  | 56.7     | 64.5      | 62.9      | 6.2    | 2.0                           | 1.4      | 4.7       | 5.8       | 74.7  | 68.3     | 77.7      | 78.1      | 9.8    | ...                           | ?                        | 10.8      | 14.0      |
| June      | 67.1  | 63.3     | 68.7      | 69.2      | 5.9    | 1.3                           | 1.0      | 2.8       | 3.3       | 80.0  | 76.4     | 81.7      | 81.9      | 5.5    | ...                           | Shade minimum imperfect. | 6.6       | 7.8       |
| July      | 67.9  | 64.6     | 69.5      | 69.7      | 5.1    | 0.6                           | 0.6      | 1.6       | 2.0       | 79.7  | 75.0†    | 81.5      | 82.6      | 7.6    | 4.6                           | 4.2                      | 3.8       | 5.3       |
| August    | 67.2  | 63.8†    | 69.0      | 68.9      | 5.1    | 0.3                           | 0.6      | 1.0       | 1.7       | 79.7  | 76.8†    | 80.8      | 81.5      | 4.7    | 3.4                           | 1.1                      | 3.3       | 5.0       |
| September | 65.6  | 62.0     | 67.5      | 67.4      | 5.4    | 0.2                           | 0.6      | 1.6       | 1.6       | 78.4  | 75.7     | 79.4      | 80.1      | 4.4    | 2.7                           | 0.9                      | 2.8       | 3.9       |
| October   | 61.8  | 57.2     | 64.5      | 63.6      | 6.4    | 0.7                           | 0.7      | 3.4       | 3.4       | 76.1  | 72.5     | 77.9      | 77.8      | 5.3    | 4.7                           | 1.2                      | 6.1       | 8.1       |
| November  | 52.5  | 47.2‡    | 56.0*     | 54.3§     | 7.1    | 1.2                           | 1.6      | 5.0       | 4.3       | 65.5  | 58.9     | 68.2      | 69.3      | 10.4   | 5.9                           | 1.6                      | 6.7       | 10.8      |
| December  | 48.9  | 44.1     | 51.9      | 50.8      | 6.7    | 0.9                           | 1.1      | 4.3       | 3.6       | 59.7  | 52.4     | 62.4      | 64.3      | 11.9   | 4.7                           | 1.4                      | 5.1       | 8.7       |
| Year      | 58.0  | 53.2     | 60.6      | 60.1      | 6.9    | 1.5                           | 1.3      | 3.8       | 4.2       | 69.9  | 63.9     | 72.4      | 73.4      | 9.4    | ?                             | ?                        | 7.6       | 11.3      |

\* Mean of 29 days.

‡ Mean of 28 days.

† " " 30 "

§ " " 27 "

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

## 43. DURBHUNGA.

## 44. PATNA.

| MONTH.    | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|           |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January   | 57.5  | 51.6     | 58.6      | 62.2      | 10.6   | 4.6                           | 0.9      | 4.1       | 9.4       | 56.6  | 48.7     | 59.0      | 62.0      | 13.3   | 5.1                           | 1.5      | 5.4       | 9.2       |
| February  | 56.3  | 50.0*    | 57.3*     | 61.6†     | 11.6   | 7.7                           | 2.4      | 8.1       | 13.2      | 55.2  | 47.7     | 57.4      | 60.4      | 12.7   | 9.6                           | 3.9      | 9.5       | 16.3      |
| March     | 66.1  | 60.4†    | 69.3†     | 68.6†     | 8.2    | 10.3                          | 3.9      | 9.6       | 18.1      | 64.6  | 59.0     | 66.5      | 68.2      | 9.2    | 13.2                          | 5.3      | 14.6      | 20.7      |
| April     | 69.5  | 64.8†    | 71.3      | 72.3      | 7.5    | 14.5                          | 6.3      | 15.1      | 22.3      | 67.8  | 61.5     | 70.4      | 71.4      | 9.9    | 19.0                          | 9.9      | 19.8      | 27.5      |
| May       | 76.3  | 72.1     | 77.6      | 79.3      | 7.2    | 7.8                           | 3.4      | 7.7       | 12.1      | 75.4  | 72.0     | 77.2      | 76.9      | 4.9    | 11.8                          | 4.8      | 12.0      | 18.6      |
| June      | 79.8  | 77.5     | 80.9      | 81.1      | 3.6    | 6.9                           | 3.0      | 6.4       | 11.1      | 78.9  | 76.3     | 80.1      | 80.4      | 4.1    | 10.6                          | 5.0      | 11.5      | 15.1      |
| July      | 80.5  | 78.0     | 81.4      | 82.1      | 4.1    | 4.1                           | 1.9      | 3.5       | 6.2       | 79.6  | 78.3     | 79.7      | 80.8      | 2.5    | 4.2                           | 1.4      | 4.3       | 6.4       |
| August    | 79.8  | 77.6     | 80.4      | 81.5      | 3.9    | 3.3                           | 2.1      | 2.8       | 4.4       | 79.8  | 77.2     | 80.5      | 81.7      | 4.5    | 3.5                           | 1.8      | 3.5       | 4.5       |
| September | 78.7  | 76.8     | 79.4      | 80.0      | 3.2    | 3.4                           | 1.8      | 3.0       | 4.6       | 78.5  | 76.6     | 79.3      | 79.5      | 2.9    | 3.8                           | 1.8      | 4.9       | 5.2       |
| October   | 75.7  | 73.7     | 76.8      | 76.6      | 2.9    | 5.0                           | 1.8      | 5.2       | 8.4       | 75.1  | 73.0     | 75.8      | 76.5      | 3.5    | 6.0                           | 2.4      | 7.3       | 8.7       |
| November  | 66.3  | 62.4     | 68.1      | 68.4      | 6.0    | 6.4                           | 1.7      | 6.6       | 11.7      | 65.1  | 60.7     | 67.4      | 67.2      | 6.5    | 7.7                           | 2.2      | 9.1       | 13.0      |
| December  | 60.7  | 55.8     | 62.3      | 64.0      | 8.2    | 4.9                           | 1.6      | 4.5       | 9.1       | 58.9  | 52.7     | 61.0      | 63.1      | 10.4   | 5.9                           | 1.7      | 6.7       | 9.9       |
| Year      | 70.6  | 66.7     | 72.0      | 73.1      | 6.4    | 6.6                           | 2.6      | 6.4       | 10.9      | 69.6  | 65.3     | 71.2      | 72.3      | 7.0    | 8.4                           | 3.5      | 9.0       | 12.9      |

\* Mean of 27 days.

† " " 29 "

‡ " " 26 "

## 45. GYA.

## 46. HAZARIBAGH.

| MONTH.    | Mean. | Minimum.                 | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |           |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------|-------|--------------------------|-----------|-----------|--------|-------------------------------|-----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|           |       |                          |           |           |        | Mean.                         | Minimum.  | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January   | 55.4  | 47.9                     | 58.1      | 60.2      | 12.3   | 7.8                           | 4.5       | 8.0       | 11.6      | 51.7  | 46.4     | 54.0      | 55.2      | 8.8    | 8.7                           | 4.2      | 10.0      | 14.6      |
| February  | 55.1  | 47.2                     | 57.4      | 60.6      | 13.4   | 12.2                          | 6.6       | 13.3      | 17.8      | 49.9  | 43.8     | 52.0      | 54.8      | 11.0   | 14.0                          | 8.6      | 16.9      | 20.9      |
| March     | 64.7  | 57.3                     | 67.4      | 69.5      | 12.2   | 12.6                          | 4.8       | 14.7      | 19.9      | 59.5  | 54.7     | 61.3      | 62.2      | 7.5    | 14.7                          | 8.8      | 17.2      | 21.8      |
| April     | 68.7  | 67.2                     | 68.9      | 70.1      | 2.9    | 19.4                          | 4.1       | 25.3      | 30.6      | 60.7  | 55.7     | 63.0      | 63.6      | 7.9    | 23.5                          | 16.0     | 27.2      | 31.1      |
| May       | 74.6  | 70.0                     | 76.1      | 77.6      | 7.6    | 14.7                          | 3.7       | 17.2      | 22.4      | 69.0  | 65.3     | 70.7      | 69.7      | 4.4    | 14.6                          | 8.4      | 17.9      | 20.9      |
| June      | 77.2  | 71.8                     | 79.3      | 80.4      | 8.6    | 11.6                          | 5.0       | 13.1      | 16.7      | ?     | 70.8     | Imperfect |           | ?      | ?                             | 5.1      | ?         | ?         |
| July      | 77.1  | 71.2                     | 79.5      | 80.5      | 9.3    | 5.6                           | 3.1       | 6.2       | 8.1       | 75.0  | 72.3     | 75.5†     | 76.0†     | 3.7    | 2.9                           | 1.4      | 3.9       | 4.8       |
| August    | ?     | Shade min. not recorded. | 80.0      | 80.6*     | ?      | ?                             | ?         | 6.1       | 7.3       | 74.3  | 71.6     | 74.9      | 75.2      | 3.6    | 3.4                           | 1.4      | 4.2       | 5.1       |
| September | ?     | Imperfect.               | 78.9      | 79.7      | ?      | ?                             | ?         | 6.1       | 7.1       | 73.2  | 70.7     | 73.9      | 74.2      | 3.5    | 3.1                           | 1.4      | 4.2       | 4.9       |
| October   | 75.9  | 74.2                     | 76.4      | 77.1      | 2.9    | ?                             | ?         | 8.1       | 9.2       | 70.2  | 67.2     | 72.1      | 71.3      | 4.1    | 4.5                           | 2.2      | 5.8       | 7.3       |
| November  | ?     | Not recorded             | 67.3      | 68.2      | ?      | ?                             | ?         | 11.3      | 13.1      | 59.8  | 55.6     | 62.2      | 62.0      | 6.4    | 8.4                           | 4.6      | 10.6      | 12.1      |
| December  | 58.0  | 52.0                     | 60.5      | 61.5      | 9.5    | ?                             | Imperfect | 10.2      | 12.7      | 53.3  | 47.9     | 55.7      | 56.8      | 8.9    | 8.4                           | 4.7      | 10.0      | 12.9      |
| Year      | ?     | ?                        | 70.8      | 72.2      | ?      | ?                             | ?         | 11.6      | 14.7      | ?     | 60.2     | ?         | ?         | ?      | ?                             | 5.6      | ?         | ?         |

\* Mean of 29 days.

† Mean of 24 days.

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

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## 47. BERHAMPORE.

## 48. BURDWAN.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . .   | 59.1  | 52.9     | 60.7      | 63.7      | 10.8   | 5.6                           | 1.6      | 6.6       | 11.3      | 58.4  | 53.9     | 59.6      | 61.8      | 7.9    | 7.3                           | 1.0      | 9.0       | 14.4      |
| February . . .  | 57.3  | 50.4     | 59.1      | 62.4      | 12.0   | 10.1                          | 3.6      | 11.9      | 18.9      | 56.8  | 52.1     | 57.4      | 60.9      | 8.8    | 11.7                          | 3.1      | 15.2      | 21.0      |
| March . . . .   | 67.5  | 62.2     | 70.2      | 70.2      | 8.0    | 9.9                           | 4.5      | 11.0      | 19.3      | 67.8  | 65.2     | 69.0      | 69.1      | 3.9    | 10.1                          | 3.3      | 12.2      | 19.7      |
| April . . . .   | 71.2  | 65.8     | 74.6      | 73.3      | 7.5    | 12.7                          | 7.8      | 13.2      | 23.9      | 71.2  | 69.8     | 72.5      | 71.3      | 1.5    | 14.0                          | 4.5      | 17.1      | 27.7      |
| May . . . . .   | 76.2  | 72.7     | 78.7      | 77.2      | 4.5    | 5.9                           | 3.3      | 8.0       | 12.5      | 76.4  | 73.9     | 77.9      | 77.4      | 3.5    | 6.9                           | 2.6      | 9.5       | 15.2      |
| June . . . . .  | 79.6  | 76.7     | 80.8      | 81.3      | 4.6    | 3.9                           | 2.2      | 5.4       | 8.4       | 78.8  | 77.6     | 79.5      | 79.3      | 1.7    | 5.3                           | 2.2      | 7.9       | 10.1      |
| July . . . . .  | 79.9  | 77.3     | 80.8      | 81.5      | 4.2    | 2.2                           | 1.2      | 3.9       | 4.0       | 78.9  | 77.9     | 79.3      | 79.5      | 1.6    | 3.6                           | 1.4      | 5.7       | 6.0       |
| August . . . .  | 79.6  | 77.3     | 80.7      | 80.9      | 3.6    | 2.4                           | 1.3      | 3.5       | 4.6       | 78.6  | 77.6     | 79.1      | 79.1      | 1.5    | 4.0                           | 1.6      | 5.7       | 7.0       |
| September . .   | 78.9  | 76.8     | 80.1      | 79.7      | 2.9    | 2.6                           | 1.8      | 3.9       | 3.9       | 78.1  | 77.4     | 79.0*     | 78.0      | 0.6    | 3.4                           | 1.4      | 5.4       | 5.4       |
| October . . . . | 77.4  | 75.0     | 78.8      | 78.4      | 3.4    | 3.9                           | 1.8      | 5.2       | 7.3       | 77.2  | 76.3     | 77.9      | 77.3      | 1.0    | 4.8                           | 1.3      | 7.2       | 9.0       |
| November . . .  | 68.2  | 64.6     | 70.1      | 70.0      | 5.4    | 5.5                           | 2.0      | 6.2       | 10.7      | 67.3  | 64.2*    | 68.3      | 69.3      | 5.1    | 6.5                           | 2.2      | 8.7       | 11.4      |
| December . . .  | 61.8  | 56.6     | 63.6      | 65.2      | 8.6    | 5.3                           | 1.6      | 6.0       | 10.6      | 60.2  | 55.8     | 61.5      | 63.3      | 7.5    | 7.4                           | 1.3      | 9.9       | 13.6      |
| Year . . . . .  | 71.4  | 67.4     | 73.2      | 73.7      | 6.3    | 5.8                           | 2.7      | 7.1       | 11.3      | 70.8  | 68.5     | 71.8      | 72.2      | 3.7    | 7.1                           | 2.2      | 9.5       | 13.4      |

\*Mean of 29 days.

## 49. JESSORE.

## 50. DACCA.

| MONTH.           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|------------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                  |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . . .  | 59.2  | 52.3     | 62.4      | 63.0      | 10.7   | 6.2                           | 1.7      | 7.9       | 11.8      | 59.7  | 54.1     | 61.7      | 63.2      | 9.1    | 7.2                           | 2.4      | 8.6       | 11.4      |
| February . . . . | 58.7  | 51.6     | 61.9      | 62.5      | 10.9   | 9.6                           | 2.6      | 12.2      | 18.6      | 59.6  | 53.5     | 62.0      | 63.2      | 9.7    | 9.9                           | 2.3      | 11.4      | 16.0      |
| March . . . . .  | 70.1  | 65.6     | 72.4      | 72.4*     | 6.8    | 7.6                           | 2.7      | 8.6       | 16.1      | 69.0  | 65.2     | 71.0      | 70.7      | 5.5    | 8.6                           | 2.2      | 9.7       | 15.3      |
| April . . . . .  | 76.0  | 71.7     | 77.8      | 78.4*     | 6.7    | 7.8                           | 3.4      | 10.3      | 15.7      | 75.9  | 72.4     | 78.1      | 77.3      | 4.9    | 6.4                           | 1.8      | 6.6       | 11.3      |
| May . . . . .    | 77.9  | 74.1     | 80.3      | 79.4      | 5.3    | 4.4                           | 2.2      | 7.3       | 9.6       | 77.0  | 73.8     | 79.1      | 78.0      | 4.2    | 5.1                           | 1.4      | 6.3       | 7.6       |
| June . . . . .   | 80.6  | 78.4     | 82.1      | 81.3      | 2.9    | 3.1                           | 1.6      | 5.3       | 5.9       | 79.5  | 77.8     | 80.6      | 80.2      | 2.4    | 3.6                           | 0.9      | 4.0       | 4.9       |
| July . . . . .   | 80.5  | 78.1     | 81.8      | 81.5      | 3.4    | 2.2                           | 1.3      | 3.6       | 3.8       | 79.4  | 77.9     | 80.4      | 80.0†     | 2.1    | 3.2                           | 0.9      | 3.6       | 4.1       |
| August . . . . . | 80.0  | 77.6     | 81.2      | 81.2      | 3.6    | 1.6                           | 0.9      | 3.1       | 3.2       | 79.2  | 77.7     | 80.1      | 79.8      | 2.1    | 2.9                           | 0.6      | 2.9       | 3.6       |
| September . . .  | 79.6  | 77.3     | 81.2*     | 80.2      | 2.9    | 1.6                           | 1.2      | 2.7       | 2.8       | 79.3  | 78.0     | 80.1      | 79.8      | 1.8    | 3.4                           | 0.9      | 3.7       | 4.7       |
| October . . . .  | 78.4  | 75.8     | 80.0      | 79.3      | 3.5    | 3.4                           | 1.6      | 5.4       | 6.3       | 78.0  | 76.2     | 78.9      | 78.8      | 2.6    | 5.1                           | 0.7      | 6.3       | 7.0       |
| November . . .   | 69.3  | 64.8     | 71.8      | 71.4      | 6.6    | 5.4                           | 1.6      | 7.7       | 9.5       | 69.2  | 65.6     | 71.3      | 70.8      | 5.2    | 6.9                           | 0.8      | 8.6       | 11.2      |
| December . . .   | 62.6  | 56.0     | 65.8      | 65.9      | 9.9    | 5.5                           | 1.9      | 7.6       | 9.9       | 63.3  | 58.6     | 65.3      | 65.9      | 7.3    | 6.6                           | 0.7      | 7.7       | 11.0      |
| Year . . . . .   | 72.7  | 68.6     | 74.9      | 74.7      | 6.1    | 4.9                           | 1.9      | 6.8       | 9.4       | 72.4  | 69.0     | 74.1      | 74.0      | 4.7    | 5.7                           | 1.3      | 6.6       | 9.0       |

\* Mean of 29 days.

† Mean of 30 days.

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

## 51. CHITTAGONG.

## 52A. CALCUTTA (CHOWRINGHEE.)

| MONTH.    | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|           |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January   | 61.3  | 55.4     | 63.7      | 64.7      | 9.3    | 4.9                           | 0.7      | 4.3       | 8.6       | 61.3  | 55.6     | 62.4      | 64.4      | 8.8    | 5.3                           | 1.3      | 7.0       | 11.6      |
| February  | 61.1  | 55.0     | 63.6      | 64.6      | 9.6    | 7.9                           | 1.3      | 8.2       | 12.7      | 61.8  | 56.1     | 62.7      | 64.7      | 8.6    | 8.4                           | 3.1      | 10.8      | 17.2      |
| March     | 69.6  | 64.9     | 71.6      | 72.2      | 7.3    | 6.2                           | 1.7      | 7.8       | 9.2       | 71.8  | 67.1     | 73.1      | 72.8      | 5.7    | 6.8                           | 2.7      | 9.2       | 15.3      |
| April     | 75.6  | 72.2     | 77.4      | 77.3      | 5.1    | 4.7                           | 1.2      | 5.8       | 6.6       | 76.2  | 72.8     | 78.2      | 77.0      | 4.2    | 8.8                           | 3.4      | 11.2      | 18.3      |
| May       | 76.8  | 73.3     | 78.1      | 78.9      | 5.6    | 4.7                           | 1.4      | 5.9       | 6.7       | 78.3  | 74.6     | 80.0      | 79.9      | 5.3    | 5.7                           | 2.9      | 8.9       | 11.0      |
| June      | 77.7  | 75.5     | 78.9      | 78.6      | 3.1    | 3.0                           | 1.2      | 3.8       | 3.6       | 80.6  | 78.1     | 81.8      | 81.4      | 3.3    | 3.7                           | 1.9      | 6.4       | 7.3       |
| July      | 77.6  | 75.2     | 78.8      | 78.9      | 3.7    | 2.9                           | 1.1      | 3.6       | 3.3       | 80.2  | 77.7     | 81.4      | 81.1      | 3.4    | 2.1                           | 1.2      | 4.1       | 4.0       |
| August    | 77.3  | 74.9     | 78.5      | 78.4      | 3.5    | 2.2                           | 0.9      | 2.9       | 2.7       | 79.9  | 77.3     | 81.3      | 81.0      | 3.7    | 2.5                           | 1.3      | 4.4       | 4.5       |
| September | 77.7  | 75.0     | 78.8      | 79.3      | 4.3    | 3.0                           | 1.1      | 3.9       | 3.7       | 79.6  | 77.0     | 81.6      | 80.6      | 3.6    | 2.3                           | 1.3      | 4.5       | 3.8       |
| October   | 77.3  | 74.1     | 78.9      | 78.9      | 4.8    | 3.5                           | 0.9      | 4.6       | 5.3       | 79.0  | 76.1     | 79.7      | 79.4      | 3.3    | 3.2                           | 1.0      | 6.2       | 7.9       |
| November  | 70.5  | 65.5     | 72.9      | 73.1      | 7.6    | 4.3                           | 0.9      | 4.5       | 6.9       | 69.2  | 65.4     | 70.3      | 71.0      | 5.6    | 5.8                           | 1.8      | 8.6       | 10.7      |
| December  | 63.0  | 56.9     | 65.4      | 66.8      | 9.9    | 5.3                           | 0.8      | 5.3       | 8.6       | 62.7  | 57.4     | 64.6      | 64.9      | 7.5    | 5.6                           | 1.2      | 7.7       | 11.6      |
| Year      | 72.1  | 68.2     | 73.9      | 74.3      | 6.2    | 4.4                           | 1.1      | 5.1       | 6.5       | 73.4  | 69.6     | 74.7      | 74.9      | 5.3    | 5.0                           | 1.9      | 7.4       | 10.2      |

## 52B. CALCUTTA (ALIPORE).

## 53. SAUGOR ISLAND.

| MONTH.    | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | Minimum. | DIFFERENCE, DRY AND WET BULB. |          |           |           |           | Minimum. | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Minimum. | DIFFERENCE, DRY AND WET BULB. |          |           |           |           | Minimum. |
|-----------|-------|----------|-----------|-----------|-----------|----------|-------------------------------|----------|-----------|-----------|-----------|----------|-------|----------|-----------|-----------|-----------|----------|-------------------------------|----------|-----------|-----------|-----------|----------|
|           |       |          |           |           |           |          | Mean.                         | 6 hours. | 10 hours. | 16 hours. | 22 hours. |          |       |          |           |           |           |          | Mean.                         | 4 hours. | 10 hours. | 16 hours. | 22 hours. |          |
| January   | 59.9  | 55.9     | 60.7      | 62.5      | 59.0      | 55.4     | 5.2                           | 1.6      | 7.3       | 12.6      | 2.4       | 0.7      | 62.5  | 59.3     | 64.1      | 65.2      | 61.5      | 56.9     | 4.7                           | 2.1      | 5.0       | 8.2       | 3.2       | 2.3      |
| February  | 60.2  | 57.2     | 60.7      | 61.4      | 59.9      | 55.6     | 8.0                           | 2.2      | 11.0      | 19.1      | 4.1       | 2.3      | 64.4  | 62.7     | 65.5      | 66.4      | 63.0      | 59.4     | 6.2                           | 2.9      | 7.7       | 11.1      | 2.9       | 2.7      |
| March     | 71.0  | 68.4     | 71.5      | 70.3      | 70.5      | 66.3     | 7.0                           | 2.2      | 9.3       | 16.2      | 3.6       | 2.7      | 73.9  | 72.8     | 74.4      | 75.1      | 73.2      | 71.0*    | 5.3                           | 3.2      | 6.8       | 7.7       | 3.7       | 2.9      |
| April     | 76.5  | 74.0     | 76.3      | 74.9      | 75.5      | 71.7     | 8.7                           | 2.4      | 11.8      | 18.8      | 4.9       | 3.5      | 78.9  | 77.4     | 79.9      | 80.1      | 78.3      | 76.4     | 4.7                           | 3.1      | 5.9       | 6.6       | 3.0       | 3.1      |
| May       | 78.7  | 76.3     | 78.5      | 78.0      | 76.6      | 73.7     | 6.1                           | 2.2      | 8.9       | 11.2      | 4.0       | 3.2      | 79.9  | 78.5     | 81.3      | 80.9      | 78.8      | 77.7     | 5.5                           | 3.9      | 6.7       | 7.3       | 4.0       | 3.6      |
| June      | 80.4  | 78.8     | 79.9      | 79.7      | 79.0      | 77.3     | 4.7                           | 1.9      | 7.0       | 7.9       | 3.1       | 1.8      | 80.9  | 79.9     | 81.3      | 82.1      | 80.3      | 79.0     | 4.1                           | 2.8      | 5.0       | 5.2       | 3.3       | 2.8      |
| July      | 79.7  | 78.3     | 79.8      | 79.9      | 78.5      | 77.1     | 3.2                           | 1.5      | 4.4       | 3.9       | 2.3       | 1.6      | 80.1  | 79.3     | 80.5      | 80.9      | 79.7      | 78.1     | 3.4                           | 2.2      | 3.9       | 4.5       | 2.8       | 2.7      |
| August    | 79.6  | 78.1     | 80.0      | 79.7      | 78.5      | 77.0     | 3.1                           | 1.4      | 4.4       | 4.5       | 2.0       | 1.4      | 79.9  | 78.9     | 80.4      | 80.7      | 79.7      | 78.1     | 3.1                           | 2.2      | 3.3       | 4.1       | 2.6       | 2.2      |
| September | 79.4  | 77.8     | 79.5      | 79.3      | 78.5      | 76.6     | 2.8                           | 1.2      | 4.3       | 3.9       | 1.6       | 1.4      | 79.6  | 78.6     | 80.5      | 80.2      | 79.2      | 77.4     | 3.3                           | 2.1      | 3.6       | 4.7       | 2.6       | 2.2      |
| October   | 78.1  | 76.7     | 78.3      | 77.9      | 77.4      | 75.9     | 3.5                           | 0.9      | 5.9       | 6.9       | 1.6       | 1.0      | 78.1  | 76.6     | 79.3      | 79.2      | 77.3      | 76.0     | 3.5                           | 2.2      | 4.2       | 5.1       | 2.3       | 2.0      |
| November  | 68.8  | 66.0     | 69.0      | 69.6      | 67.9      | 65.7     | 5.4                           | 1.9      | 8.1       | 11.0      | 2.5       | 1.4      | 70.1  | 68.2     | 71.6      | 71.5      | 69.1      | 66.9     | 5.1                           | 2.1      | 6.5       | 8.7       | 3.1       | 2.1      |
| December  | 61.6  | 57.9     | 63.3      | 64.2      | 60.8      | 57.2     | 5.5                           | 1.5      | 7.6       | 12.0      | 2.1       | 1.0      | 63.4  | 59.9     | 66.1      | 65.9      | 61.7      | 58.8     | 5.1                           | 2.6      | 5.6       | 9.1       | 3.1       | 2.6      |
| Year      | 72.8  | 70.5     | 73.1      | 73.1      | 71.8      | 69.1     | 5.3                           | 1.7      | 7.5       | 10.7      | 2.9       | 1.8      | 74.3  | 72.8     | 75.4      | 75.7      | 73.5      | 71.3     | 4.5                           | 2.6      | 5.4       | 6.9       | 3.1       | 2.6      |

\* Mean of 30 days.



TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

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## 54. CUTTACK.

## 55. FALSE POINT.

| MONTH.    | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum.   | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|------------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|           |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |            |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January   | 63.4  | 58.6     | 65.0      | 66.7      | 8.1    | 7.4                           | 1.3      | 7.2       | 14.3      | ?     | Imperfect. | 66.8      | 67.5      | ?      | ?                             | ?        | 6.1       | 7.6       |
| February  | 65.1  | 60.3     | 67.0      | 67.9      | 7.6    | 9.5                           | 1.8      | 9.0       | 19.6      | 67.1  | 61.9†      | 69.4      | 69.9      | 8.0    | 3.6                           | 0.4      | 8.1       | 9.1       |
| March     | 73.1  | 70.2     | 74.2      | 74.8      | 4.6    | 8.7                           | 2.2      | 8.8       | 16.7      | 74.5  | 71.4‡      | 76.0      | 76.0      | 4.6    | 3.1                           | 0.8      | 7.1       | 6.9       |
| April     | 76.9  | 73.9     | 77.7      | 79.1      | 5.2    | 10.5                          | 2.4      | 11.8      | 18.9      | 79.6  | 76.8       | 80.9      | 81.2      | 4.4    | 2.6                           | 1.6      | 5.2       | 4.7       |
| May       | 77.8  | 74.0     | 79.8      | 79.7      | 5.7    | 9.3                           | 2.8      | 11.3      | 15.2      | 79.8  | 77.1       | 81.3§     | 81.0      | 3.9    | 3.6                           | 2.0      | 6.6       | 6.6       |
| June      | 78.5  | 75.7     | 79.9      | 79.9      | 4.2    | 6.0                           | 2.3      | 7.8       | 9.2       | 80.0  | 77.7       | 81.0      | 81.4      | 3.7    | 3.3                           | 1.8      | 5.9       | 5.6       |
| July      | 78.6  | 77.0     | 79.2*     | 79.5      | 2.5    | 4.4                           | 1.6      | 6.3       | 6.4       | 79.0  | 77.1       | 79.8      | 80.1      | 3.0    | 2.6                           | 1.3      | 4.3       | 4.7       |
| August    | 78.6  | 76.8     | 79.5      | 79.5      | 2.7    | 4.6                           | 1.5      | 6.4       | 5.8       | 79.3  | 77.3       | 80.4      | 80.3      | 3.0    | 2.9                           | 1.6      | 5.0       | 5.1       |
| September | 77.5  | 74.5     | 79.1      | 78.9      | 4.4    | 4.9                           | 2.0      | 6.5       | 6.1       | 79.2  | 76.7       | 80.6‡     | 80.2      | 3.5    | 2.4                           | 1.2      | 4.9       | 5.1       |
| October   | 77.0  | 75.0     | 78.3      | 77.7      | 2.7    | 4.7                           | 1.3      | 6.5       | 6.8       | 78.4  | 76.2       | 79.9      | 79.1      | 2.9    | 3.1                           | 1.3      | 6.6       | 6.3       |
| November  | 70.1  | 66.5     | 71.3      | 72.5      | 6.0    | 6.8                           | 2.2      | 8.7       | 10.0      | 70.9  | 68.2       | 72.9      | 71.7      | 3.5    | 4.1                           | 1.0      | 7.7       | 9.0       |
| December  | 64.2  | 58.7     | 65.6      | 68.4      | 9.7    | 5.9                           | 1.4      | 7.3       | 10.4      | 64.1  | 58.6       | 67.0      | 66.8      | 8.2    | 3.6                           | 0.6      | 7.4       | 9.6       |
| Year      | 73.4  | 70.1     | 74.7      | 75.4      | 5.3    | 6.9                           | 1.9      | 8.1       | 11.6      | ?     | ?          | 76.3      | 76.3      | ?      | ?                             | ?        | 6.2       | 6.7       |

\* Mean of 30 days.

† Mean of 23 days.  
‡ „ „ 28 „§ Mean of 27 days.  
|| „ „ 26 „

## 56. SAMBALPUR.

## 57. RAIPUR.

| MONTH.    | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |                       |           |           |
|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|-----------------------|-----------|-----------|
|           |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum.              | 10 hours. | 16 hours. |
| January   | 60.2  | 53.4     | 62.8      | 64.5      | 11.1   | 6.9                           | 1.9      | 7.6       | 14.3      | 58.2  | 52.6     | 59.9      | 62.2      | 9.6    | 8.0                           | 2.4                   | 8.7       | 15.1      |
| February  | 60.9  | 54.1     | 62.4      | 66.1      | 12.0   | 11.5                          | 3.7      | 14.4      | 20.9      | 58.7  | 52.5     | 59.6      | 64.1      | 11.6   | 13.3                          | 6.7                   | 17.3      | 20.7      |
| March     | 67.5  | 62.8     | 69.9      | 69.8      | 7.0    | 12.6                          | 4.8      | 14.4      | 22.8      | 64.3  | 48.6     | 66.3      | 68.0      | 9.4    | 15.8                          | 9.5                   | 18.1      | 24.0      |
| April     | 67.9  | 62.6     | 70.9      | 70.2      | 7.6    | 21.1                          | 10.9     | 25.1      | 34.2      | 66.1  | 59.0     | 69.1      | 70.1      | 11.1   | 22.9                          | 16.7                  | 25.8      | 32.2      |
| May       | 75.2  | 71.4     | 77.5      | 76.6      | 5.2    | 16.1                          | 8.6      | 17.4      | 25.9      | 72.3  | 67.9     | 74.4      | 74.7      | 6.8    | 18.4                          | 11.7                  | 20.2      | 27.1      |
| June      | 78.0  | 75.5     | 79.0      | 79.4      | 3.9    | 6.5                           | 3.7      | 7.6       | 10.4      | 75.5  | 73.1     | 76.7      | 76.7*     | 3.6    | 10.5                          | 6.8                   | 7.8       | 15.3      |
| July      | 77.4  | 75.1     | 78.5      | 78.7      | 3.6    | 3.2                           | 2.2      | 4.5       | 5.2       | 76.1  | 73.8     | 77.0      | 77.4      | 3.6    | ?                             | Shade min. imperfect. | 4.1       | 5.2       |
| August    | 77.6  | 75.3     | 78.9      | 78.7      | 3.4    | 3.5                           | 2.4      | 5.3       | 5.8       | 76.0  | 74.1     | 76.8      | 77.0      | 2.9    | 4.3                           | 1.6                   | 6.2       | 7.8       |
| September | 77.5  | 75.1     | 78.9      | 78.5      | 3.4    | 3.6                           | 2.0      | 5.6       | 6.6       | 75.0  | 72.7     | 76.4      | 76.0      | 3.3    | 5.6                           | 2.1                   | 7.8       | 10.3      |
| October   | 76.6  | 73.2     | 78.4      | 78.1      | 4.9    | 4.1                           | 2.0      | 6.8       | 8.1       | 74.4  | 71.8     | 75.7      | 75.6      | 3.8    | 4.6                           | 1.2                   | 6.8       | 9.3       |
| November  | 67.5  | 63.2     | 69.4      | 69.9      | 6.7    | 6.2                           | 2.1      | 8.7       | 12.1      | 64.4  | 60.2     | 66.6      | 66.4      | 6.2    | 7.2                           | 2.2                   | 9.8       | 14.4      |
| December  | 60.5  | 54.0     | 63.1      | 64.3      | 10.3   | 6.6                           | 1.6      | 7.7       | 14.3      | 58.1  | 52.4     | 60.0      | 61.9      | 9.5    | 8.6                           | 2.7                   | 10.0      | 16.3      |
| Year      | 70.6  | 66.3     | 72.5      | 72.9      | 6.6    | 8.5                           | 3.8      | 10.4      | 15.1      | 68.3  | 64.1     | 69.9      | 70.8      | 6.8    | ?                             | ?                     | 11.9      | 16.5      |

\* Mean of 29 days.

2 f

## 58. NAGPUR.

## 59. SEONI.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . .   | 58.1  | 51.8     | 60.2      | 62.2      | 10.4   | 8.9                           | 2.7      | 10.7      | 17.2      | 54.6  | 47.3     | 57.1      | 59.5      | 12.2   | 8.5                           | 3.9      | 11.9      | 15.5      |
| February . . .  | 58.2  | 51.6     | 59.1      | 63.9      | 12.3   | 15.0                          | 7.6      | 18.1      | 23.2      | 54.6  | 48.1     | 55.2      | 60.4      | 12.3   | 13.2                          | 6.8      | 17.2      | 20.3      |
| March . . .     | 62.8  | 56.5     | 65.1      | 66.7      | 10.2   | 17.9                          | 10.4     | 22.0      | 27.8      | 60.8  | 55.2     | 62.4      | 64.7      | 9.5    | 15.0                          | 7.6      | 19.9      | 24.0      |
| April . . .     | 63.6  | 56.0     | 66.5      | 68.3      | 12.3   | 24.9                          | 17.5     | 30.3      | 35.2      | 61.6  | 55.3     | 64.0      | 65.4      | 10.1   | 22.1                          | 13.9     | 29.0      | 32.8      |
| May . . .       | 71.1  | 66.2     | 74.1      | 72.9      | 6.7    | 21.2                          | 15.2     | 24.8      | 30.2      | 69.1  | 65.5     | 71.0      | 70.8      | 5.3    | 18.4                          | 11.2     | 23.1      | 27.4      |
| June . . .      | 75.0  | 72.3     | 76.9      | 75.7      | 3.4    | 8.6                           | 4.9      | 12.4      | 14.2      | 72.2  | 70.2     | 73.6      | 72.8      | 2.6    | 7.4                           | 4.1      | 11.9      | 12.1      |
| July . . .      | 75.9  | 73.9     | 76.6      | 77.3      | 3.4    | 4.0                           | 1.3      | 5.5       | 7.2       | 72.9  | 70.9     | 73.7      | 74.1      | 3.2    | 3.4                           | 1.8      | 5.1       | 5.8       |
| August . . .    | 75.1  | 72.5     | 76.4      | 76.5      | 4.0    | 4.9                           | 2.6      | 7.3       | 8.3       | 72.5  | 70.4     | 73.2      | 73.9      | 3.5    | 3.7                           | 1.7      | 6.5       | 6.4       |
| September . . . | 73.0  | 69.4     | 75.0      | 74.5      | 5.1    | 9.3                           | 5.1      | 12.2      | 15.6      | 70.3  | 66.9     | 71.9      | 72.2      | 5.3    | 7.1                           | 3.3      | 11.4      | 12.3      |
| October . . .   | 73.6  | 70.2     | 75.6      | 75.0      | 4.8    | 4.9                           | 2.4      | 7.5       | 9.3       | 70.1  | 66.8     | 71.8      | 71.8      | 5.0    | 4.7                           | 1.8      | 7.8       | 9.1       |
| November . . .  | 64.0  | 58.4     | 66.5      | 67.0      | 8.6    | 9.2                           | 4.2      | 12.7      | 16.7      | 60.2  | 55.0     | 62.6      | 63.1      | 8.4    | 7.8                           | 2.6      | 12.5      | 15.2      |
| December . . .  | 58.7  | 52.0     | 60.9      | 63.3      | 11.3   | 8.9                           | 3.8      | 10.7      | 16.0      | 54.9  | 48.5     | 57.7      | 58.4      | 9.9    | 7.5                           | 2.5      | 11.6      | 15.4      |
| Year . . .      | 67.4  | 62.6     | 69.4      | 70.3      | 7.7    | 11.5                          | 6.5      | 14.5      | 18.4      | 64.5  | 60.0     | 66.2      | 67.3      | 7.3    | 9.9                           | 5.1      | 14.0      | 16.4      |

## 60. JUBBULPORE.

## 61. SAUGOR.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . .   | 54.6  | 47.4     | 56.6      | 59.9      | 12.5   | 7.1                           | 1.5      | 7.2       | 14.5      | 54.4  | 48.3     | 56.1      | 58.7      | 10.4   | 8.7                           | 3.9      | 10.7      | 15.3      |
| February . . .  | 53.2  | 46.8     | 54.1      | 58.8      | 12.0   | 11.7                          | 3.3      | 14.2      | 20.9      | 51.3  | 45.5     | 51.9      | 56.5      | 11.0   | 13.5                          | 6.5      | 15.9      | 21.0      |
| March . . .     | 60.8  | 55.9     | 62.6      | 63.9      | 8.0    | 14.1                          | 5.1      | 17.7      | 24.8      | 59.8  | 55.4     | 61.3      | 62.8      | 7.4    | 16.6                          | 9.2      | 20.2      | 25.4      |
| April . . .     | 61.0  | 55.1     | 63.2      | 64.8      | 9.7    | 22.3                          | 11.9     | 28.5      | 34.7      | 60.9  | 55.7     | 62.6      | 64.3      | 8.6    | 23.8                          | 15.2     | 29.8      | 34.2      |
| May . . .       | 69.5  | 66.9     | 70.8      | 70.9      | 4.0    | 19.5                          | 10.2     | 24.9      | 30.0      | 68.0  | 64.3     | 69.9      | 69.7      | 5.4    | 23.1                          | 15.1     | 26.6      | 33.0      |
| June . . .      | 73.8  | 71.7     | 75.2      | 74.4      | 2.7    | 9.7                           | 5.4      | 12.9      | 15.5      | 73.0  | 70.4     | 74.2      | 74.3      | 3.9    | 11.9                          | 6.6      | 14.0      | 18.5      |
| July . . .      | 75.3  | 73.1     | 76.2      | 76.7      | 3.6    | 3.0                           | 1.5      | 4.6       | 5.2       | 74.3  | 71.9*    | 74.7*     | 76.2†     | 4.3    | 3.0                           | 1.9      | 4.3       | 4.6       |
| August . . .    | 74.6  | 72.5     | 75.3      | 76.1      | 3.6    | 3.9                           | 1.7      | 5.5       | 6.7       | 73.6  | 71.0*    | 74.4*     | 75.5*     | 4.5    | 3.5                           | 1.4      | 4.7       | 6.3       |
| September . . . | 72.6  | 70.3     | 73.6      | 74.0      | 3.7    | 7.1                           | 1.8      | 9.1       | 13.3      | 70.8  | 67.3     | 72.7      | 72.5      | 5.2    | 7.8                           | 3.1      | 9.2       | 14.2      |
| October . . .   | 71.7  | 68.6     | 73.4      | 73.2      | 4.6    | 4.1                           | 1.1      | 7.0       | 8.6       | 70.5  | 66.5     | 72.8      | 72.2      | 5.7    | 4.6                           | 2.4      | 7.0       | 9.0       |
| November . . .  | 61.0  | 54.4     | 64.2      | 64.3      | 9.9    | 6.9                           | 1.4      | 9.6       | 15.6      | 59.3  | 53.7     | 62.0      | 62.3      | 8.6    | 10.2                          | 5.0      | 14.5      | 17.9      |
| December . . .  | 54.4  | 46.6     | 56.8      | 59.9      | 13.3   | 6.7                           | 1.6      | 8.4       | 14.1      | 54.5  | 48.8     | 56.4      | 58.4      | 9.6    | 9.1                           | 4.7      | 12.1      | 15.3      |
| Year . . .      | 65.2  | 60.8     | 66.8      | 68.1      | 7.3    | 9.7                           | 3.9      | 12.5      | 17.0      | 64.2  | 59.9     | 65.8      | 67.0      | 7.1    | 11.3                          | 6.3      | 14.1      | 17.9      |

\* Mean of 30 days.

† " " 29 "

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

## 62. PACHMARHI.

## 63. HOSHANGABAD.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . .   | 51'7  | 43'9     | 54'0      | 57'1      | 13'2   | 5'3                           | 3'3      | 10'5      | 9'7       | 56'8  | 50'2     | 57'9      | 62'4      | 12'2   | 8'2                           | 3'0      | 8'2       | 14'4      |
| February . . .  | 49'8  | 42'9     | 52'0      | 54'6      | 11'7   | 11'1                          | 6'8      | 15'9      | 17'4      | 54'4  | 46'8     | 55'1      | 61'2      | 14'4   | 13'0                          | 5'7      | 14'1      | 21'1      |
| March . . .     | 56'3  | 51'4     | 57'8      | 59'6      | 8'2    | 14'2                          | 9'0      | 18'0      | 21'0      | 61'9  | 56'6*    | 63'5      | 65'7      | 9'1    | 16'6                          | 8'2      | 19'7      | 26'5      |
| April . . .     | 57'3  | 52'3     | 58'5      | 61'2      | 8'9    | 21'2                          | 14'9     | 26'9      | 28'6      | 63'0  | 56'8     | 64'8      | 67'3      | 10'5   | 23'0                          | 13'4     | 29'3      | 34'5      |
| May . . .       | 63'6  | 59'7     | 65'0      | 66'1      | 6'4    | 20'6                          | 15'7     | 23'2      | 26'9      | 70'5  | 67'4     | 72'2      | 71'9      | 4'5    | 23'1                          | 14'1     | 26'4      | 33'7      |
| June . . .      | 68'0  | 63'2     | 70'0      | 70'8      | 7'6    | 8'3                           | 7'8      | 7'4       | 10'8      | 75'3  | 73'0     | 77'1      | 75'7      | 2'7    | 9'2                           | 4'5      | 11'4      | 15'8      |
| July . . .      | 68'6  | 66'1     | 69'1      | 70'7      | 4'6    | 2'1                           | 1'8      | 1'6       | 2'8       | 75'7  | 73'8     | 76'2      | 77'1      | 3'3    | 2'8                           | 1'4      | 3'2       | 4'7       |
| August . . .    | 68'0  | 65'9     | 68'6      | 69'6      | 3'7    | 2'0                           | 1'1      | 2'2       | 3'4       | 75'0  | 72'8*    | 75'7      | 76'4      | 3'6    | 3'4                           | 1'5      | 4'2       | 6'0       |
| September . . . | 66'3  | 62'1     | 67'8      | 68'9      | 6'8    | 5'8                           | 3'9      | 7'1       | 9'2       | 72'8  | 69'1     | 74'6      | 74'8      | 5'7    | 8'1                           | 3'4      | 9'4       | 14'4      |
| October . . .   | 65'8  | 62'0     | 67'6      | 67'8      | 5'8    | 3'3                           | 2'3      | 5'4       | 6'0       | 73'4  | 70'5     | 75'0      | 74'7      | 4'2    | 5'0                           | 1'5      | 6'5       | 10'1      |
| November . . .  | 55'9  | 49'9     | 58'5      | 59'2      | 9'3    | 6'5                           | 3'5      | 11'4      | 12'1      | 62'7  | 56'4     | 65'2      | 66'4      | 10'0   | 8'6                           | 3'3      | 11'3      | 16'4      |
| December . . .  | 50'9  | 43'7     | 53'5      | 55'5      | 11'8   | 5'3                           | 2'8      | 10'6      | 10'4      | 57'0  | 50'3     | 59'1      | 61'5      | 11'2   | 6'8                           | 2'3      | 7'7       | 13'5      |
| Year . . .      | 60'2  | 55'3     | 61'9      | 63'4      | 8'2    | 8'8                           | 6'1      | 11'7      | 13'2      | 66'5  | 62'0     | 68'0      | 69'6      | 7'6    | 10'7                          | 5'2      | 12'6      | 17'6      |

\* Mean of 30 days.

## 64. KHANDWA.

## 65. CHANDA.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . .   | 56'9  | 49'6     | 58'9      | 62'2      | 12'6   | 9'4                           | 2'4      | 12'0      | 18'4      | 60'2  | 52'1     | 63'1      | 65'3      | 13'2   | 6'9                           | 1'3      | 11'4      | 15'4      |
| February . . .  | 55'6  | 47'3     | 57'0      | 62'5      | 15'2   | 14'3                          | 6'3      | 17'5      | 23'7      | 61'6  | 54'8     | 64'2      | 65'7      | 10'9   | 12'1                          | 3'3      | 15'9      | 23'5      |
| March . . .     | 61'5  | 54'7     | 63'7      | 66'0      | 11'3   | 18'5                          | 10'7     | 21'8      | 28'5      | 64'7  | 59'0     | 67'2      | 68'0      | 9'0    | 16'5                          | 6'8      | 21'1      | 28'6      |
| April . . .     | 63'4  | 57'0     | 65'1      | 68'0      | 11'0   | 24'0                          | 15'1     | 28'5      | 34'6      | 65'0  | 59'2     | 67'4      | 68'3      | 9'1    | 23'9                          | 13'3     | 30'1      | 37'0      |
| May . . .       | 71'6  | 68'1     | 73'7      | 73'1      | 5'0    | 21'4                          | 13'9     | 21'7      | 30'9      | 72'4  | 68'7     | 74'5      | 73'9      | 5'2    | 19'6                          | 11'3     | 21'1      | 30'0      |
| June . . .      | 75'2  | 72'5     | 76'5      | 76'7      | 4'2    | 8'5                           | 3'8      | 9'4       | 14'4      | 75'6  | 73'1     | 76'3      | 77'4      | 4'3    | 8'2                           | 3'6      | 10'4      | 13'4      |
| July . . .      | 74'5  | 72'3     | 74'9      | 76'3      | 4'0    | 4'8                           | 2'0      | 5'0       | 7'9       | 75'0  | 73'5     | 75'3      | 76'3      | 2'8    | 4'8                           | 1'7      | 6'0       | 8'1       |
| August . . .    | 73'4  | 71'3     | 74'1      | 74'9      | 3'6    | 5'0                           | 2'4      | 5'9       | 8'1       | 75'3  | 73'6     | 75'6      | 76'7      | 3'1    | 5'2                           | 2'0      | 7'4       | 8'6       |
| September . . . | 72'0  | 69'1     | 73'3      | 73'6      | 4'5    | 8'2                           | 3'0      | 8'9       | 14'7      | 74'7  | 71'8     | 75'5      | 76'7      | 4'9    | 7'1                           | 2'3      | 10'6      | 12'7      |
| October . . .   | 72'5  | 69'0     | 74'7      | 73'7      | 4'7    | 5'7                           | 2'1      | 7'5       | 11'5      | 74'6  | 71'4     | 75'9      | 76'5      | 5'1    | 5'1                           | 1'6      | 7'9       | 9'8       |
| November . . .  | 62'1  | 55'1     | 65'8      | 65'5      | 10'4   | 9'6                           | 2'9      | 13'9      | 19'8      | 65'6  | 59'8     | 68'0      | 68'9      | 9'1    | 7'6                           | 1'6      | 11'2      | 16'0      |
| December . . .  | 57'1  | 49'4     | 60'2      | 61'6      | 12'2   | 7'7                           | 2'5      | 11'0      | 16'1      | 59'2  | 51'8     | 61'9      | 63'9      | 12'1   | 8'0                           | 1'2      | 10'8      | 17'4      |
| Year . . .      | 66'3  | 61'3     | 68'2      | 69'5      | 8'2    | 11'4                          | 5'6      | 13'6      | 19'1      | 68'7  | 64'1     | 70'4      | 71'5      | 7'4    | 10'4                          | 4'2      | 13'7      | 18'4      |

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

## 66. SIRONCHA.

## 67. CHIKALDA.

| MONTH.          | Mean.                           | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              | Mean. | Minimum. | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              |     |
|-----------------|---------------------------------|---------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|-------|----------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|-----|
|                 |                                 |               |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |       |          |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |     |
| January . . .   | 63.0                            | 56.7          | 64.8         | 67.6         | 10.9   | 7.6                              | 2.3           | 7.7          | 14.6         | 54.7  | 50.0     | 56.3         | 57.8         | 7.8    | 7.0                              | 4.8           | 8.6          | 10.7         |     |
| February . . .  | 64.8                            | 59.9          | 66.3         | 68.2         | 8.3    | 12.7                             | 4.2           | 12.6         | 22.6         | 55.4  | 50.1     | 56.8         | 59.4         | 9.3    | 12.0                             | 9.3           | 13.1         | 16.0         |     |
| March . . .     | 69.5                            | 65.8          | 71.4         | 71.2         | 5.4    | 15.7                             | 7.3           | 13.7         | 26.1         | 58.1  | 53.5     | 59.6         | 61.3         | 7.8    | 15.8                             | 12.0          | 16.3         | 20.9         |     |
| April . . .     | 71.3                            | 67.2          | 73.7         | 73.0         | 5.8    | 21.1                             | 12.5          | 19.1         | 32.1         | 58.8  | 54.7     | 59.8         | 61.8         | 7.1    | 22.4                             | 18.0          | 24.9         | 27.9         |     |
| May . . .       | 75.5                            | 73.2          | 76.6         | 76.7         | 3.5    | 18.6                             | 10.7          | 16.0         | 27.5         | 65.9  | 63.0     | 67.6         | 67.2         | 4.2    | 16.9                             | 11.9          | 17.9         | 23.4         |     |
| June . . .      | 77.2                            | 75.1          | 77.7         | 78.9         | 3.8    | 8.1                              | 3.8           | 6.8          | 12.7         | 68.9  | 65.4     | 70.1         | 71.3         | 5.9    | 5.0                              | 2.5           | 4.6          | 8.5          |     |
| July . . .      | 76.3                            | 74.3          | 76.6         | 77.9         | 3.6    | 3.3                              | 1.7           | 3.6          | 5.3          | 67.8  | 65.5     | 68.3         | 69.6         | 4.1    | 0.8                              | 0.4           | 0.8          | 1.6          |     |
| August . . .    | 76.9                            | 75.1          | 77.6         | 78.0         | 2.9    | 3.4                              | 1.7           | 4.0          | 5.7          | 67.6  | 65.1     | 68.2         | 69.4         | 4.3    | 1.1                              | 0.4           | 1.6          | 2.4          |     |
| September . . . | 76.6                            | 74.3          | 77.8         | 77.8         | 3.5    | 5.9                              | 2.4           | 6.3          | 10.4         | 66.7  | 63.4     | 67.9         | 68.8         | 5.4    | 3.9                              | 2.2           | 4.7          | 6.7          |     |
| October . . .   | 76.4                            | 74.0          | 77.3         | 78.0         | 4.0    | 4.1                              | 1.8           | 5.0          | 7.2          | 66.6  | 63.6     | 68.2         | 67.9         | 4.3    | 2.8                              | 2.1           | 3.9          | 5.1          |     |
| November . . .  | 69.3                            | 65.2*         | 71.3*        | 71.3*        | 6.1    | 7.1                              | 2.7           | 7.7          | 13.5         | 59.9  | 55.3     | 61.9         | 62.4         | 7.1    | 6.5                              | 5.5           | 9.3          | 9.6          |     |
| December . . .  | Observatory temporarily closed. |               |              |              |        |                                  |               |              |              |       | 55.1     | 50.5         | 56.5         | 58.2   | 7.7                              | 7.0           | 6.0          | 8.4          | 9.5 |
| Year . . .      | P                               | P             | P            | P            | P      | P                                | P             | P            | P            | 62.1  | 58.3     | 63.4         | 64.6         | 6.3    | 8.4                              | 6.3           | 9.5          | 11.9         |     |

\* Mean of 20 days.

## 68. BULDANA.

## 69. AKOLA.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . .   | 56.9  | 51.9     | 58.3      | 60.4      | 8.5    | 9.9                           | 5.3      | 12.5      | 15.9      | 57.9  | 49.7     | 60.1      | 63.9      | 14.2   | 8.5                           | 2.2      | 10.8      | 17.0      |
| February . . .  | 57.2  | 51.6     | 58.6      | 61.5      | 9.9    | 16.2                          | 10.1     | 19.1      | 23.6      | 58.3  | 49.2     | 60.4      | 65.2      | 16.0   | 14.3                          | 6.5      | 17.6      | 24.3      |
| March . . .     | 60.5  | 56.0     | 61.7      | 63.8      | 7.8    | 19.7                          | 13.0     | 22.2      | 27.5      | 62.2  | 54.6     | 64.8      | 67.1      | 12.5   | 18.4                          | 10.6     | 22.8      | 28.9      |
| April . . .     | 61.7  | 59.5     | 61.5      | 64.2      | 4.7    | 25.9                          | 17.5     | 29.8      | 34.0      | 63.6  | 55.8     | 66.0      | 69.1      | 13.3   | 24.3                          | 15.4     | 30.7      | 35.4      |
| May . . .       | 68.9  | 65.4     | 71.0      | 70.4      | 5.0    | 20.0                          | 14.1     | 20.3      | 27.9      | 71.5  | 67.6     | 73.5      | 73.5      | 5.9    | 22.2                          | 14.4     | 24.3      | 31.9      |
| June . . .      | 72.2  | 69.2     | 73.8      | 73.5      | 4.3    | 6.7                           | 3.5      | 8.0       | 11.6      | 75.2  | 72.2     | 76.8      | 76.7      | 4.5    | 8.9                           | 3.8      | 11.2      | 15.5      |
| July . . .      | 71.6  | 68.8     | 72.3      | 73.8      | 5.0    | 3.9                           | 1.6      | 4.8       | 6.8       | 74.7  | 72.1     | 75.6      | 76.3      | 4.2    | 4.7                           | 1.7      | 6.2       | 8.7       |
| August . . .    | 70.6  | 68.2*    | 71.0      | 72.7      | 4.5    | 4.2                           | 2.0      | 4.4       | 6.6       | 73.8  | 71.3     | 74.4      | * 75.7    | 4.4    | 5.6                           | 2.1      | 7.0       | 9.6       |
| September . . . | 69.4  | 66.3     | 71.0      | 70.8      | 4.5    | 7.9                           | 4.5      | 8.0       | 12.9      | 72.4  | 68.8     | 74.0      | 74.5      | 5.7    | 8.8                           | 3.3      | 10.9      | 15.7      |
| October . . .   | 69.9  | 66.8     | 71.7      | 71.3      | 4.5    | 5.1                           | 3.5      | 6.2       | 8.4       | 73.6  | 69.7     | 75.5      | 75.6      | 5.9    | 5.6                           | 1.7      | 7.1       | 11.4      |
| November . . .  | 61.7  | 57.3     | 64.2      | 63.6      | 6.3    | 10.6                          | 7.2      | 14.1      | 16.5      | 63.9  | 56.7     | 66.8      | 68.1      | 11.4   | 9.3                           | 2.6      | 13.0      | 18.7      |
| December . . .  | 56.8  | 52.1     | 58.8      | 59.6      | 7.5    | 10.5                          | 7.2      | 13.1      | 15.7      | 58.5  | 50.1     | 61.3      | 64.1      | 14.0   | 8.3                           | 2.3      | 11.3      | 17.1      |
| Year . . .      | 64.8  | 61.1     | 66.2      | 67.1      | 6.0    | 11.7                          | 7.5      | 13.5      | 17.3      | 67.1  | 61.5     | 69.1      | 70.8      | 9.3    | 11.6                          | 5.6      | 14.4      | 19.5      |

\* Mean of 28 days.

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

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## 70. AMRAOTI.

## 71. MAKHLA.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE DRY AND WET BULB. |          |           |           |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|------------------------------|----------|-----------|-----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                        | Minimum. | 10 hours. | 16 hours. |
| January . . .   | 59'6  | 51'6     | 62'5      | 64'6      | 13'0   | 8'5                           | 4'3      | 10'8      | 15'7      | 55'4  | 51'0     | 55'4      | 59'9      | 8'9    | 7'3                          | 4'1      | 7'2       | 10'4      |
| February . . .  | 59'3  | 50'5     | 61'3      | 66'0      | 15'5   | 14'8                          | 9'7      | 17'9      | 21'9      | 56'3  | 51'8     | 55'9      | 61'1      | 9'3    | 11'6                         | 6'8      | 12'2      | 16'0      |
| March . . .     | 64'2  | 56'1     | 67'1      | 69'5      | 13'4   | 17'5                          | 11'9     | 20'2      | 25'9      | 60'0  | 56'9     | 60'1      | 63'0      | 6'1    | 15'0                         | 8'8      | 17'7      | 21'3      |
| April . . .     | 63'9  | 55'8     | 67'1      | 68'7      | 12'9   | 25'2                          | 18'3     | 20'2      | 35'3      | 61'5  | 58'6     | 61'8      | 64'0      | 5'4    | 21'7                         | 13'7     | 26'7      | 30'1      |
| May . . .       | 71'1  | 67'0*    | 73'2      | 73'2      | 6'2    | 21'3                          | 13'8     | 23'7      | 30'8      | 68'7  | 66'3     | 69'8      | 70'0      | 3'7    | 17'1                         | 10'3     | 19'9      | 24'9      |
| June . . .      | 74'6  | 71'3     | 76'7      | 75'9      | 4'6    | 7'6                           | 3'4      | 9'5       | 13'7      | 70'8  | 67'4     | 71'9      | 73'2      | 5'8    | 5'3                          | 2'5      | 5'1       | 9'1       |
| July . . .      | 74'7  | 71'4     | 75'9      | 76'8      | 5'4    | 3'4                           | 1'6      | 4'8       | 6'4       | 69'4  | 67'4     | 69'9      | 71'0      | 3'6    | 1'3                          | 0'9      | 1'5       | 2'1       |
| August . . .    | 74'3  | 70'9     | 75'9      | 76'1      | 5'2    | 3'8                           | 1'8      | 5'4       | 7'4       | 68'9  | 66'7     | 69'2      | 70'7      | 4'0    | 1'6                          | 0'9      | 1'8       | 2'7       |
| September . . . | 72'5  | 68'1     | 75'0      | 74'4      | 6'3    | 7'1                           | 3'1      | 10'3      | 13'6      | 68'6  | 65'2     | 69'7      | 71'0      | 5'8    | 4'0                          | 1'7      | 4'4       | 7'2       |
| October . . .   | 73'0  | 69'0     | 75'2      | 74'9      | 5'9    | 5'2                           | 2'2      | 7'5       | 10'3      | 68'4  | 65'1     | 69'6      | 70'6      | 5'5    | 3'0                          | 2'0      | 3'5       | 5'1       |
| November . . .  | 64'3  | 58'3     | 67'1      | 67'4      | 9'1    | 9'0                           | 4'0      | 13'1      | 16'9      | 61'2  | 57'4     | 62'0      | 64'3      | 6'9    | 6'8                          | 3'2      | 8'2       | 11'1      |
| December . . .  | 59'5  | 52'6     | 62'2      | 63'8      | 11'2   | 9'1                           | 4'8      | 12'7      | 15'9      | 56'1  | 51'8     | 57'1      | 59'5      | 7'7    | 6'6                          | 4'0      | 8'4       | 10'1      |
| Year . . .      | 67'6  | 61'9     | 69'9      | 70'9      | 9'1    | 11'0                          | 6'6      | 13'8      | 17'8      | 63'8  | 60'5     | 64'4      | 66'5      | 6'1    | 8'4                          | 4'9      | 9'7       | 12'5      |

\* Mean of 30 days.

## 72. NEEMUCH.

## 73. NOWGONG.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . .   | 51'8  | 44'4     | 53'6      | 57'3      | 12'9   | 10'7                          | 4'7      | 12'4      | 18'5      | 53'8  | 46'9     | 55'6      | 59'0      | 12'1   | 7'2                           | 1'8      | 8'1       | 14'3      |
| February . . .  | 50'3  | 41'5*    | 52'4*     | 56'9*     | 15'4   | 14'1                          | 7'5      | 18'0      | 22'8      | 50'8  | 43'4     | 52'7      | 56'3      | 12'9   | 11'9                          | 4'2      | 14'7      | 21'4      |
| March . . .     | 58'8  | 52'2     | 60'5      | 63'7      | 11'5   | 16'6                          | 9'3      | 21'3      | 25'5      | 61'6  | 56'1     | 63'9      | 64'7      | 8'6    | 13'9                          | 5'9      | 17'3      | 24'2      |
| April . . .     | 61'5  | 55'1     | 63'0      | 66'3      | 11'2   | 23'2                          | 14'8     | 30'4      | 33'1      | 62'2  | 55'4     | 65'5      | 65'7      | 10'3   | 22'4                          | 12'9     | 25'0      | 35'2      |
| May . . .       | 68'0  | 65'5     | 67'6      | 70'9      | 5'4    | 23'2                          | 13'5     | 28'9      | 32'5      | 70'5  | 65'1     | 73'1      | 73'2      | 8'1    | 19'3                          | 11'9     | 24'1      | 29'3      |
| June . . .      | 71'3  | 69'8     | 70'9      | 73'1      | 3'3    | 14'4                          | 6'6      | 18'0      | 21'9      | 75'0  | 73'1     | 75'9      | 75'9      | 2'8    | 13'2                          | 7'4      | 16'0      | 20'0      |
| July . . .      | 74'0  | 72'2     | 74'2      | 75'5      | 3'3    | 4'6                           | 1'2      | 6'9       | 8'2       | 77'8  | 76'2     | 78'2      | 79'1      | 2'9    | 3'5                           | 1'6      | 4'6       | 5'7       |
| August . . .    | 73'2  | 71'1     | 73'6      | 75'0      | 3'9    | 3'6                           | 1'1      | 5'8       | 6'3       | 76'8  | 74'8     | 77'5      | 78'2      | 3'4    | 4'6                           | 2'2      | 5'6       | 7'6       |
| September . . . | 71'2  | 66'7     | 72'6      | 74'3      | 7'6    | 6'9                           | 2'3      | 10'2      | 12'9      | 74'0  | 71'2     | 75'1      | 75'8      | 4'6    | 7'9                           | 2'6      | 9'5       | 14'2      |
| October . . .   | 68'3  | 63'8†    | 69'7†     | 71'5†     | 7'7    | 8'9                           | 3'5      | 14'0      | 15'6      | 72'6  | 69'5     | 74'1      | 74'2‡     | 4'7    | 4'7                           | 1'7      | 6'6       | 9'1       |
| November . . .  | 59'4  | 52'9     | 61'0      | 64'3      | 11'4   | 11'4                          | 4'5      | 17'9      | 19'8      | 59'9  | 53'4     | 62'8      | 63'6      | 10'2   | 8'0                           | 1'9      | 10'9      | 16'9      |
| December . . .  | 52'7  | 45'4‡    | 54'6‡     | 58'2‡     | 12'8   | 10'6                          | 5'2      | 14'9      | 17'7      | 56'3  | 48'4     | 59'8      | 60'8      | 12'4   | 5'3                           | 1'3      | 3'9       | 12'6      |
| Year . . .      | 63'4  | 58'4     | 64'5      | 67'3      | 8'9    | 12'4                          | 6'2      | 16'6      | 19'6      | 65'9  | 61'1     | 67'9      | 68'9      | 7'8    | 10'2                          | 4'6      | 12'2      | 17'5      |

\* Mean of 24 days.

† Mean of 26 days.

‡ Mean of 27 days.

§ Mean of 30 days.

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

## 74. SUTNA.

## 75. INDORE.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . .   | 53.5  | 46.5     | 55.9      | 58.1      | 11.6   | 6.8                           | 1.6      | 9.2       | 14.3      | 54.0  | 46.4     | 57.1      | 58.4      | 12.0   | 9.2                           | 3.6      | 13.9      | 18.0      |
| February . . .  | 51.0  | 44.9     | 52.4      | 55.6      | 10.7   | 12.3                          | 4.0      | 15.9      | 22.0      | 51.6  | 42.6     | 54.6      | 57.7      | 15.1   | 13.8                          | 6.8      | 19.5      | 23.6      |
| March . . .     | 60.0  | 55.2     | 63.3      | 63.2      | 8.0    | 13.5                          | 5.8      | 18.5      | 23.9      | 59.7  | 51.2     | 63.5      | 64.3      | 13.1   | 15.6                          | 10.0     | 20.7      | 25.0      |
| April . . .     | 61.1  | 55.3     | 64.0      | 64.1      | 8.8    | 22.7                          | 13.0     | 30.3      | 35.1      | 59.6  | 51.9     | 62.8      | 64.1      | 12.2   | 22.8                          | 15.0     | 31.1      | 33.7      |
| May . . .       | 69.4  | 65.2     | 71.8      | 71.3      | 6.1    | 20.5                          | 12.4     | 25.8      | 30.9      | 69.0  | 63.7     | 72.3      | 70.9      | 7.2    | 19.3                          | 13.4     | 23.4      | 28.5      |
| June . . .      | 74.2  | 70.9     | 75.8      | 75.8      | 4.9    | 13.9                          | 9.4      | 17.4      | 20.0      | 73.3  | 69.0     | 76.0      | 75.0      | 6.0    | 6.5                           | 3.6      | 8.8       | 12.0      |
| July . . .      | 76.7  | 74.3     | 77.7      | 78.0      | 3.7    | 3.7                           | 1.8      | 5.1       | 6.6       | 72.8  | 69.5     | 74.0      | 75.0      | 5.5    | 3.1                           | 2.2      | 4.0       | 5.0       |
| August . . .    | 76.0  | 73.6     | 76.9      | 77.5      | 3.9    | 4.2                           | 1.9      | 6.1       | 7.4       | 72.4  | 70.1     | 73.4      | 73.6      | 3.5    | 2.5                           | 1.1      | 4.8       | 4.9       |
| September . . . | 73.7  | 71.0     | 75.3      | 74.8      | 3.8    | 6.1                           | 1.9      | 9.2       | 11.9      | 70.8  | 66.9     | 72.9      | 72.6      | 5.7    | 6.2                           | 1.8      | 9.2       | 12.6      |
| October . . .   | 72.7  | 69.7     | 74.3      | 74.1      | 4.4    | 4.8                           | 1.9      | 6.7       | 9.3       | 69.2  | 63.5     | 72.4      | 71.7      | 8.2    | 6.0                           | 4.5      | 9.0       | 10.7      |
| November . . .  | 60.3  | 54.5     | 63.2      | 63.3      | 8.8    | 8.2                           | 2.4      | 12.7      | 16.7      | 60.0  | 52.2     | 64.0      | 63.7      | 11.5   | 8.9                           | 4.2      | 15.7      | 17.7      |
| December . . .  | 54.4  | 47.5     | 57.2      | 58.6      | 11.1   | 7.5                           | 2.4      | 10.1      | 15.3      | 55.6  | 47.7     | 59.1      | 60.1      | 12.4   | 7.6                           | 3.2      | 13.3      | 15.3      |
| Year . . .      | 65.3  | 60.7     | 67.3      | 67.9      | 7.2    | 10.4                          | 4.9      | 13.9      | 17.8      | 64.0  | 57.9     | 66.8      | 67.3      | 9.4    | 10.1                          | 5.8      | 14.5      | 17.3      |

## 76. BICKANEER.

## 77. JEYPORE.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Minimum. | DIFFERENCE, DRY AND WET BULB. |          |           |           |           |          |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|-----------|----------|-------------------------------|----------|-----------|-----------|-----------|----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |           |          | Mean.                         | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Minimum. |
| January . . .   | 51.3  | 48.6     | 50.8      | 54.6      | 6.0    | 10.6                          | 7.5      | 10.6      | 13.0      | 53.3  | 48.7     | 55.0      | 58.2      | 51.3      | 46.5     | 7.8                           | 4.2      | 9.2       | 12.7      | 5.2       | 3.5      |
| February . . .  | 51.2  | 47.2     | 50.8      | 55.7      | 8.5    | 11.7                          | 9.0      | 11.1      | 13.9      | 50.1  | 44.3     | 52.6      | 56.0      | 47.6      | 42.2     | 13.1                          | 7.7      | 15.0      | 19.6      | 9.9       | 6.3      |
| March . . .     | 62.5  | 59.1     | 62.7      | 65.8      | 6.7    | 13.6                          | 8.6      | 16.6      | 18.7      | 61.0  | 55.7     | 63.1      | 65.9      | 59.1      | 54.3     | 14.0                          | 8.6      | 16.4      | 20.2      | 10.9      | 7.1      |
| April . . .     | 70.1  | 66.2     | 70.3      | 73.9      | 7.7    | 18.5                          | 11.9     | 24.4      | 25.1      | 63.3  | 57.3     | 66.4      | 68.4      | 61.1      | 55.3     | 22.6                          | 15.3     | 26.1      | 30.6      | 18.3      | 13.7     |
| May . . .       | 73.1  | 69.5     | 73.5      | 76.4      | 6.9    | 21.6                          | 14.8     | 28.6      | 28.6      | 69.6  | 65.9     | 71.8      | 72.6      | 68.0      | 64.8     | 22.2                          | 14.3     | 24.0      | 31.0      | 19.4      | 13.2     |
| June . . .      | 73.2  | 69.7     | 73.8      | 76.0      | 6.3    | 20.1                          | 14.5     | 24.0      | 26.3      | 74.1  | 72.5     | 75.4      | 75.2      | 73.4      | 71.3     | 14.9                          | 8.5      | 16.4      | 22.1      | 12.5      | 8.2      |
| July . . .      | 72.5  | 68.5     | 73.3      | 75.7      | 7.2    | 16.9                          | 13.9     | 20.8      | 20.6      | 77.0  | 75.9     | 77.6      | 77.8      | 76.8      | 74.9     | 5.6                           | 2.7      | 6.6       | 8.7       | 4.2       | 2.3      |
| August . . .    | 73.6  | 69.9     | 73.8      | 77.0      | 7.1    | 14.4                          | 10.3     | 19.3      | 18.7      | 75.6  | 73.9     | 76.1      | 76.6      | 75.6      | 73.2     | 6.0                           | 2.6      | 7.4       | 10.6      | 3.7       | 1.9      |
| September . . . | 72.7  | 69.1     | 73.0      | 76.0      | 6.9    | 15.8                          | 9.5      | 20.5      | 22.3      | 71.0  | 68.2     | 73.1      | 73.1      | 69.6      | 67.4     | 11.1                          | 5.0      | 12.8      | 19.2      | 7.3       | 3.9      |
| October . . .   | 69.9  | 66.1     | 70.9      | 72.8      | 6.7    | 15.1                          | 8.5      | 21.5      | 22.5      | 67.9  | 64.7     | 71.0      | 70.2      | 65.7      | 63.4     | 12.8                          | 6.5      | 14.9      | 19.5      | 10.2      | 5.4      |
| November . . .  | 58.4  | 52.8     | 59.0      | 63.3      | 10.5   | 15.6                          | 12.0     | 20.6      | 19.9      | 57.8  | 52.3     | 60.7      | 63.4      | 54.8      | 50.6     | 13.8                          | 6.9      | 17.8      | 20.8      | 9.6       | 5.8      |
| December . . .  | 50.5  | 45.1     | 50.9      | 55.6      | 10.5   | 13.9                          | 10.9     | 18.5      | 17.1      | 51.4  | 45.6     | 54.3      | 57.0      | 48.6      | 43.4     | 12.0                          | 6.6      | 15.0      | 18.3      | 8.2       | 5.7      |
| Year . . .      | 64.9  | 61.0     | 65.2      | 68.6      | 7.6    | 15.7                          | 11.0     | 19.7      | 20.6      | 64.3  | 60.4     | 66.4      | 67.9      | 62.6      | 58.9     | 13.0                          | 7.4      | 15.1      | 19.4      | 10.0      | 6.4      |

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

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## 78. SAMBHAR.

## 79. AJMERE.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . .   | 51.8  | 44.0     | 54.3      | 57.0      | 13.0   | 6.7                           | 3.6      | 8.1       | 12.6      | 51.3  | 43.0     | 53.7      | 57.1      | 14.1   | 6.7                           | 2.6      | 8.9       | 13.5      |
| February . . .  | 47.8  | 38.7     | 50.5      | 54.1      | 15.4   | 12.5                          | 7.1      | 14.4      | 19.7      | 49.1  | 40.3     | 51.4      | 55.5      | 15.2   | 11.9                          | 6.4      | 14.0      | 19.1      |
| March . . .     | 57.4  | 50.2     | 60.4*     | 61.7*     | 11.5   | 15.3                          | 9.1      | 17.2      | 22.9      | 59.3  | 52.7     | 60.8      | 64.3      | 11.6   | 13.9                          | 7.5      | 16.8      | 20.8      |
| April . . .     | 61.5  | 54.1     | 64.2      | 66.1      | 12.0   | 22.4                          | 13.1     | 25.1      | 30.9      | 62.7  | 54.8     | 65.0      | 68.4      | 13.6   | 22.4                          | 14.8     | 25.6      | 28.4      |
| May . . .       | 68.9  | 63.2     | 72.3      | 71.3      | 8.1    | 21.9                          | 13.8     | 23.1      | 31.2      | 70.8  | 65.1     | 73.0      | 74.3      | 9.2    | 20.9                          | 14.2     | 22.8      | 28.2      |
| June . . .      | 74.1  | 71.1     | 75.6      | 75.7      | 4.6    | 13.7                          | 8.8      | 14.8      | 20.5      | 74.3  | 70.7     | 75.2      | 77.1      | 6.4    | 12.8                          | 8.9      | 13.8      | 18.4      |
| July . . .      | 76.5  | 74.1     | 77.5      | 77.9      | 3.8    | 6.0                           | 3.8      | 6.7       | 9.7       | 76.5  | 73.6     | 77.3      | 78.6      | 5.0    | 5.9                           | 3.2      | 6.6       | 9.7       |
| August . . .    | 75.7  | 72.9     | 76.4      | 77.8      | 4.9    | 5.3                           | 2.7      | 6.4       | 9.0       | 74.6  | 71.8     | 75.2      | 76.7      | 4.9    | 5.7                           | 2.8      | 6.6       | 9.8       |
| September . . . | 72.0  | 68.0     | 73.7      | 74.4      | 6.4    | 9.5                           | 5.5      | 10.5      | 16.9      | 71.7  | 67.6     | 72.9      | 74.5      | 6.9    | 10.0                          | 6.7      | 10.8      | 16.9      |
| October . . .   | 68.1  | 61.7     | 71.3      | 71.4      | 9.7    | 10.1                          | 5.3      | 13.0      | 19.5      | 69.5  | 63.5     | 72.0      | 73.0      | 9.5    | 9.8                           | 5.3      | 13.7      | 17.6      |
| November . . .  | 56.5  | 47.6     | 58.9      | 62.9      | 15.3   | 10.5                          | 6.0      | 14.7      | 20.2      | 58.1  | 48.4     | 62.0      | 63.9      | 15.5   | 10.3                          | 5.4      | 14.8      | 19.9      |
| December . . .  | 50.8  | 41.3     | 52.7      | 58.5      | 17.2   | 7.4                           | 4.5      | 10.2      | 15.3      | 51.0  | 40.5     | 54.9      | 57.7      | 17.2   | 9.3                           | 5.9      | 12.7      | 16.9      |
| Year . . .      | 63.4  | 57.2     | 65.7      | 67.4      | 10.2   | 11.8                          | 6.9      | 13.7      | 19.0      | 64.1  | 57.7     | 66.1      | 68.4      | 10.8   | 11.6                          | 7.0      | 13.9      | 18.3      |

\* Mean of 30 days.

## 80. MOUNT ABU.

## 81. PACHPADRA.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . .   | 47.0  | 43.1     | 48.1      | 49.7      | 6.6    | 9.4                           | 7.5      | 12.3      | 12.5      | 49.4  | 40.0     | 52.1      | 56.1      | 16.1   | 11.5                          | 5.4      | 13.2      | 20.3      |
| February . . .  | 45.8  | 42.1     | 47.1      | 48.1      | 6.0    | 13.9                          | 10.5     | 16.9      | 18.6      | 47.1  | 36.8     | 49.9      | 54.6      | 17.8   | 15.5                          | 8.4      | 18.5      | 25.3      |
| March . . .     | 53.2  | 50.2     | 54.0      | 55.3      | 5.1    | 13.9                          | 10.3     | 16.7      | 18.4      | 58.2  | 51.3     | 60.9      | 62.3      | 11.0   | 16.9                          | 8.8      | 21.4      | 27.8      |
| April . . .     | 56.8  | 52.9     | 57.9      | 59.7      | 6.8    | 20.3                          | 16.5     | 22.2      | 25.1      | 65.7  | 56.3     | 69.1      | 71.6      | 15.3   | 20.7                          | 13.3     | 25.0      | 31.6      |
| May . . .       | 65.5  | 61.9     | 66.1      | 68.5      | 6.6    | 15.5                          | 11.5     | 18.5      | 20.1      | 72.3  | 65.6     | 76.2      | 75.0      | 9.4    | 23.0                          | 15.8     | 21.4      | 34.1      |
| June . . .      | 67.6  | 64.0     | 68.7      | 70.0      | 6.0    | 7.1                           | 4.8      | 7.5       | 10.6      | 76.3  | 72.9     | 78.6      | 77.5      | 4.6    | 15.6                          | 7.4      | 14.4      | 25.9      |
| July . . .      | 67.7  | 65.4     | 68.3      | 69.4      | 4.0    | 0.9                           | 0.7      | 1.6       | 1.7       | 78.3  | 75.4     | 79.4      | 80.1      | 4.7    | 8.1                           | 3.3      | 7.8       | 14.0      |
| August . . .    | 65.7  | 63.7     | 66.1      | 67.4      | 3.7    | 0.6                           | 0.3      | 1.1       | 1.2       | 76.0  | 72.9     | 76.9      | 78.1      | 5.2    | 7.8                           | 3.1      | 8.5       | 13.5      |
| September . . . | 63.7  | 60.2     | 64.8      | 66.2      | 6.0    | 4.6                           | 3.4      | 6.2       | 6.8       | 73.2  | 68.0     | 75.4      | 76.3      | 8.3    | 10.1                          | 2.9      | 11.9      | 19.3      |
| October . . .   | 61.5  | 58.1     | 62.3      | 64.0      | 5.9    | 10.9                          | 8.3      | 14.8      | 14.4      | 68.5  | 61.1     | 72.7      | 71.8      | 10.7   | 15.6                          | 8.6      | 19.5      | 26.7      |
| November . . .  | 54.9  | 51.3     | 56.4      | 57.0      | 5.7    | 11.6                          | 8.5      | 15.8      | 16.2      | 57.1  | 46.8     | 60.1      | 64.3      | 17.5   | 14.9                          | 7.3      | 19.5      | 25.6      |
| December . . .  | 49.3  | 45.2     | 50.8      | 51.8      | 6.6    | 10.5                          | 8.0      | 14.4      | 14.6      | 48.7  | 37.8     | 51.4      | 56.9      | 19.1   | 13.6                          | 6.8      | 16.6      | 23.1      |
| Year . . .      | 58.2  | 54.8     | 59.2      | 60.6      | 5.8    | 9.9                           | 7.5      | 12.3      | 13.4      | 64.2  | 57.1     | 66.9      | 68.7      | 11.6   | 14.4                          | 7.6      | 16.5      | 23.9      |

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

## 82. JACOBABAD.

## 83. HYDERABAD.

| MONTH.          | Mean. | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              |
|-----------------|-------|---------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|-------|----------|-----------|-----------|--------|----------------------------------|---------------|--------------|--------------|
|                 |       |               |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |       |          |           |           |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |
|                 |       |               |              |              |        |                                  |               |              |              |       |          |           |           |        |                                  |               |              |              |
| January . . .   | 49.6  | 42.3          | 51.7         | 54.8         | 12.5   | 7.8                              | 2.9           | 8.2          | 14.7         | 52.4  | 46.2     | 54.6      | 56.4      | 10.2   | 9.2                              | 6.1           | 10.5         | 1            |
| February . . .  | 47.8  | 39.1          | 50.1         | 54.2         | 15.1   | 11.0                             | 5.4           | 14.8         | 18.8         | 52.8  | 44.6     | 54.1      | 59.7      | 15.1   | 12.1                             | 7.7           | 13.2         | 1            |
| March . . .     | 59.3  | 52.2          | 61.6         | 64.1         | 11.9   | 12.6                             | 6.1           | 14.9         | 21.4         | 63.2  | 57.0     | 64.6      | 67.9      | 10.9   | 12.9                             | 7.3           | 15.3         | 1            |
| April . . .     | 64.7  | 56.1          | 67.5         | 70.6         | 14.5   | 20.4                             | 11.5          | 26.1         | 31.9         | 71.3  | 63.2*    | 73.8*     | 76.8*     | 13.6   | 15.1                             | 8.3           | 21.4         | 2            |
| May . . .       | 71.3  | 64.7          | 74.1         | 75.0         | 10.3   | 24.0                             | 15.2          | 27.2         | 35.7         | 77.9  | 73.5     | 79.6      | 80.7      | 7.2    | 15.7                             | 7.5           | 21.4         | 2            |
| June . . .      | 78.5  | 74.6          | 80.9         | 80.1         | 5.5    | 19.4                             | 10.2          | 19.0         | 30.8         | 77.9  | 75.6     | 78.9      | 79.1      | 3.5    | 13.8                             | 6.1           | 17.3         | 2            |
| July . . .      | 80.2  | 76.9          | 81.9         | 81.9         | 5.0    | 13.6                             | 7.6           | 14.6         | 21.2         | 78.2  | 76.2     | 78.9      | 79.5      | 3.3    | 9.5                              | 4.3           | 13.1         | 1            |
| August . . .    | 78.1  | 74.2          | 79.2         | 81.0         | 6.8    | 14.1                             | 7.1           | 13.4         | 22.1         | 75.7  | 73.2†    | 76.2      | 77.7      | 4.5    | 9.2                              | 5.0           | 10.9         | 1            |
| September . . . | 75.4  | 71.2          | 76.9         | 78.0         | 6.8    | 13.3                             | 4.5           | 13.2         | 23.7         | 74.7  | 71.7     | 75.5      | 76.8      | 5.1    | 9.2                              | 4.0           | 12.4         | 1            |
| October . . .   | 65.3  | 58.2          | 67.3         | 70.4         | 12.2   | 13.4                             | 5.3           | 20.7         | 23.5         | 66.8  | 62.3     | 69.1      | 69.0      | 6.7    | 7.9                              | 10.5          | 20.3         | 2            |
| November . . .  | 58.5  | 50.8          | 60.8         | 63.8         | 13.0   | 9.1                              | 1.9           | 14.8         | 18.6         | 61.4  | 56.0     | 63.5      | 64.7      | 8.7    | 12.1                             | 6.3           | 15.7         | 1            |
| December . . .  | 49.6  | 41.2          | 50.7         | 56.9         | 15.7   | 10.0                             | 2.6           | 13.1         | 18.5         | 52.5  | 46.4     | 54.5      | 56.7      | 10.3   | 11.7                             | 6.0           | 13.9         | 1            |
| Year . . .      | 64.9  | 58.5          | 66.9         | 69.2         | 10.8   | 14.1                             | 6.7           | 16.7         | 23.4         | 67.9  | 62.2     | 68.6      | 70.4      | 8.3    | 11.5                             | 6.6           | 15.5         | 1            |

\* Mean of 20 days.

† " " 30 "

## 84. KURRACHEE.

## 85. BHUJ.

| MONTH.          | Mean. | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |          |              |              |
|-----------------|-------|---------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|-------|----------|-----------|-----------|--------|----------------------------------|----------|--------------|--------------|
|                 |       |               |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |       |          |           |           |        | Mean.                            | Minimum. | 10<br>hours. | 16<br>hours. |
|                 |       |               |              |              |        |                                  |               |              |              |       |          |           |           |        |                                  |          |              |              |
| January . . .   | 54.5  | 48.0          | 55.1         | 58.3         | 10.3   | 10.4                             | 7.7           | 12.9         | 15.4         | 56.0  | 47.8*    | 58.3†     | 61.8†     | 14.0   | 8.8                              | 5.8      | 10.7         | 1.           |
| February . . .  | 54.1  | 45.5          | 53.7         | 58.9         | 13.4   | 13.3                             | 9.8           | 16.4         | 18.1         | 55.3  | 46.1     | 57.3      | 62.4      | 16.3   | 13.5                             | 9.4      | 15.9         | 1.           |
| March . . .     | 66.6  | 60.6          | 65.6         | 68.4         | 7.8    | 8.3                              | 4.9           | 11.8         | 12.4         | 64.5  | 58.8     | 65.8      | 68.8      | 10.0   | 13.0                             | 6.6      | 16.4         | 2.           |
| April . . .     | 71.9  | 67.6          | 72.3         | 73.6         | 6.0    | 7.9                              | 4.0           | 11.6         | 11.5         | 68.1  | 62.8     | 69.7      | 71.7      | 8.9    | 16.1                             | 7.0      | 22.4         | 2.           |
| May . . .       | 79.5  | 76.0          | 79.0         | 80.7         | 4.7    | 7.8                              | 4.1           | 11.9         | 11.2         | 75.8  | 72.9     | 76.7      | 77.8      | 4.9    | 13.5                             | 5.6      | 18.1         | 2.           |
| June . . .      | 80.8  | 78.6          | 80.9         | 81.8         | 3.2    | 7.2                              | 4.7           | 9.8          | 9.6          | 76.9  | 74.6     | 77.8      | 78.4      | 3.8    | 10.0                             | 5.6      | 13.4         | 1.           |
| July . . .      | 79.5  | 77.6          | 80.2         | 80.4         | 2.8    | 5.0                              | 3.3           | 6.3          | 6.5          | 76.4  | 73.9     | 77.4      | 77.9      | 4.0    | 4.8                              | 3.5      | 5.9          |              |
| August . . .    | 76.1  | 74.5          | 76.6         | 77.0         | 2.5    | 5.4                              | 3.8           | 6.4          | 7.3          | 74.8  | 72.3     | 76.0      | 76.0      | 3.7    | 5.6                              | 3.7      | 7.7          | 1.           |
| September . . . | 75.1  | 73.1          | 75.7         | 76.2         | 3.1    | 5.6                              | 3.3           | 7.3          | 7.4          | 73.7  | 70.6     | 75.1      | 75.3      | 4.7    | 7.6                              | 2.9      | 10.4         | 1.           |
| October . . .   | 69.3  | 64.3          | 71.2         | 73.9         | 9.6    | 13.0                             | 8.0           | 17.2         | 16.1         | 70.5  | 67.0     | 72.7      | 71.9      | 4.9    | 14.2                             | 6.9      | 17.4         | 2.           |
| November . . .  | 64.0  | 57.9          | 65.8         | 69.8         | 11.9   | 10.2                             | 6.3           | 14.3         | 14.6         | 64.4  | 57.4     | 67.4      | 68.5      | 11.1   | 12.5                             | 7.9      | 16.2         | 2.           |
| December . . .  | 56.9  | 47.6          | 58.1         | 62.3         | 14.7   | 10.2                             | 7.2           | 12.7         | 15.2         | 54.3  | 46.0     | 57.3      | 59.7      | 13.7   | 13.1                             | 8.8      | 15.8         | 2.           |
| Year . . .      | 69.0  | 64.3          | 69.5         | 71.8         | 7.5    | 8.7                              | 5.6           | 11.6         | 12.1         | 67.6  | 62.5     | 69.3      | 70.9      | 8.3    | 11.1                             | 6.1      | 14.2         | 1.           |

\* Mean of 23 days.

† " " 25 "



TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

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## 86. RAJKOT.

## 87. DEESA.

| MONTH.    | Mean. | Minimum.        | 10 hours.     | 16 hours.              | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------|-------|-----------------|---------------|------------------------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|           |       |                 |               |                        |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January   | 54.6  | 45.1            | 58.3          | 60.4                   | 15.3   | 10.8                          | 5.0      | 15.1      | 20.2      | 53.7  | 43.9     | 55.3      | 58.4      | 14.5   | 13.0                          | 7.6      | 16.5      | 21.1      |
| February  | ?     | 46.1*           | 57.5†         | Imper-<br>fect.<br>Do. | ?      | ?                             | 6.2      | 18.1      | ?         | 52.4  | 43.4     | 54.2      | 58.4      | 15.0   | 18.3                          | 9.6      | 21.4      | 26.2      |
| March     | ?     | Imper-<br>fect. | 64.5‡         |                        | ?      | ?                             | ?        | 19.2      | ?         | 61.2  | 53.6     | 63.0      | 63.6      | 10.0   | 19.5                          | 10.3     | 21.9      | 29.1      |
| April     |       |                 | Not recorded. |                        |        |                               |          |           |           | 66.2  | 58.0     | 68.2      | 69.1      | 11.1   | 22.6                          | 10.7     | 24.2      | 34.0      |
| May       | 77.4  | 74.2§           | 78.1          | 79.8                   | 5.6    | 12.9                          | 3.6      | 16.6      | 23.0      | 75.5  | 71.1     | 75.9      | 75.9      | 4.8    | 19.6                          | 9.6      | 19.7      | 30.3      |
| June      | 75.3  | 73.0            | 76.0          | 76.8                   | 3.8    | 10.6                          | 5.4      | 15.1      | 16.5      | 77.5  | 74.2     | 77.5      | 78.1      | 3.9    | 13.0                          | 6.7      | 13.2      | 22.3      |
| July      | 74.5  | 72.2            | 75.4          | 76.0                   | 3.8    | 6.8                           | 6.0      | 9.1       | 8.3       | 76.9  | 74.2     | 77.4      | 78.0      | 3.8    | 5.5                           | 3.1      | 6.8       | 9.0       |
| August    | 76.2  | 73.5            | 77.2          | 77.9                   | 4.4    | 6.2                           | 5.6      | 8.4       | 7.7       | 75.5  | 72.9     | 75.9      | 76.6      | 3.7    | 5.1                           | 2.3      | 5.9       | 8.6       |
| September | 73.8  | 71.4            | 74.8          | 75.3                   | 3.9    | 8.1                           | 3.5      | 9.5       | 13.6      | 73.1  | 69.1     | 74.7      | 75.0      | 5.9    | 9.0                           | 3.0      | 9.7       | 16.6      |
| October   | 73.3  | 70.4            | 74.9          | 74.5                   | 4.1    | 11.1                          | 6.8      | 12.4      | 17.1      | 69.8  | 65.9     | 72.4      | 72.5      | 6.6    | 13.9                          | 5.6      | 17.4      | 23.4      |
| November  | 65.3  | 57.9            | 67.2          | 70.7                   | 12.8   | 11.8                          | 8.4      | 16.0      | 17.1      | 60.8  | 54.1     | 64.1      | 65.2      | 11.1   | 16.3                          | 7.3      | 21.2      | 25.5      |
| December  | 54.7  | 43.8            | 56.7          | 63.5                   | 19.7   | 12.3                          | 7.6      | 16.2      | 19.1      | 54.8  | 46.2     | 57.0      | 59.7      | 13.5   | 14.2                          | 5.8      | 18.3      | 23.6      |
| Year      | ?     | ?               | ?             | ?                      | ?      | ?                             | ?        | ?         | ?         | 66.5  | 60.6     | 68.0      | 69.2      | 8.7    | 14.2                          | 6.8      | 16.4      | 22.5      |

\* Mean of 20 days.

† Mean of 28 days.

|| Mean of 29 days.

† „ „ 26 „

§ „ „ 23 „

## 88. SURAT.

## 89. MALEGAON.

| MONTH.    | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|           |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January   | 60.8  | 52.9     | 63.4      | 66.1      | 13.2   | 8.2                           | 3.3      | 11.7      | 15.7      | 57.1  | 47.3     | 59.4      | 64.7      | 17.4   | 9.5                           | 3.8      | 12.1      | 17.4      |
| February  | 60.9  | 52.3     | 63.4      | 67.0      | 14.7   | 11.6                          | 5.0      | 15.5      | 20.6      | 57.6  | 47.3     | 59.2      | 66.2      | 18.9   | 13.8                          | 6.3      | 17.4      | 22.9      |
| March     | 68.7  | 63.2     | 70.6      | 72.3      | 9.1    | 10.2                          | 2.9      | 14.7      | 19.4      | 62.6  | 54.8     | 64.6      | 68.4      | 13.6   | 15.6                          | 7.2      | 20.3      | 26.0      |
| April     | 70.5  | 65.4     | 72.3      | 73.9      | 8.5    | 12.9                          | 3.7      | 19.0      | 23.7      | 62.0  | 54.8     | 64.0      | 67.2      | 12.4   | 22.4                          | 13.4     | 31.7      | 33.4      |
| May       | 77.1  | 75.5     | 77.8      | 78.0      | 2.5    | 9.6                           | 4.2      | 13.8      | 15.7      | 68.4  | 65.2     | 69.7      | 70.4      | 5.2    | 18.8                          | 10.4     | 26.1      | 28.3      |
| June      | 77.2  | 76.4     | 77.6      | 77.7      | 1.3    | 7.4                           | 3.7      | 10.4      | 11.3      | 72.3  | 70.0     | 73.4      | 73.4      | 3.4    | 7.9                           | 3.6      | 13.7      | 13.4      |
| July      | 77.3  | 75.3     | 78.3      | 78.4      | 3.1    | 3.1                           | 2.0      | 5.0       | 5.0       | 72.1  | 69.9     | 73.1      | 73.2      | 3.3    | 5.2                           | 2.0      | 8.2       | 9.4       |
| August    | 76.8  | 74.6     | 78.0      | 77.7      | 3.1    | 3.4                           | 2.2      | 5.3       | 5.9       | 71.0  | 68.4     | 71.9      | 72.8      | 4.4    | 5.3                           | 1.9      | 8.2       | 9.4       |
| September | 76.9  | 74.1     | 78.0      | 78.7      | 4.6    | 4.9                           | 1.5      | 7.6       | 9.2       | 69.6  | 66.3     | 71.2      | 71.2      | 4.9    | 8.2                           | 2.0      | 12.2      | 16.0      |
| October   | 76.2  | 72.3     | 78.0      | 78.3      | 6.0    | 4.4                           | 1.5      | 7.8       | 9.1       | 70.6  | 67.2     | 72.2      | 72.3      | 5.1    | 5.5                           | 1.3      | 10.1      | 11.4      |
| November  | 70.1  | 64.0     | 72.7      | 73.7      | 9.7    | 5.9                           | 2.0      | 11.9      | 12.3      | 61.9  | 56.2     | 64.4      | 65.0      | 8.8    | 9.8                           | 2.4      | 16.6      | 19.8      |
| December  | 63.6  | 56.0     | 67.1      | 67.8      | 11.8   | 6.9                           | 2.2      | 11.3      | 14.9      | 56.4  | 48.2     | 59.4      | 61.6      | 13.4   | 9.0                           | 2.6      | 14.0      | 18.4      |
| Year      | 71.3  | 66.8     | 73.1      | 74.1      | 7.3    | 7.4                           | 2.9      | 11.2      | 13.6      | 65.1  | 59.6     | 66.9      | 68.9      | 9.2    | 10.9                          | 4.7      | 15.9      | 18.8      |

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

90. BOMBAY.

91. POONA.

| MONTH.          | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | Mini-mum. | DIFFERENCE, DRY AND WET BULB. |          |           |           |           |           | Mean. | Mini-mum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |           |           |           |
|-----------------|-------|----------|-----------|-----------|-----------|-----------|-------------------------------|----------|-----------|-----------|-----------|-----------|-------|-----------|-----------|-----------|--------|-------------------------------|-----------|-----------|-----------|
|                 |       |          |           |           |           |           | Mean.                         | 6 hours. | 10 hours. | 16 hours. | 22 hours. | Mini-mum. |       |           |           |           |        | Mean.                         | Mini-mum. | 10 hours. | 16 hours. |
| January . . .   | 66.7  | 64.5     | 66.1      | 68.6      | 66.9      | 62.8      | 6.6                           | 4.7      | 8.3       | 9.5       | 5.4       | 5.0       | 57.9  | 49.3      | 58.3      | 60.7      | 11.4   | 13.0                          | 3.3       | 14.4      | 20.8      |
| February . . .  | 65.4  | 62.9     | 65.5      | 69.7      | 66.4      | 60.9      | 8.2                           | 5.7      | 9.9       | 8.8       | 5.8       | 6.1       | 58.8  | 50.5      | 58.4      | 61.8      | 11.3   | 19.3                          | 5.6       | 21.9      | 28.6      |
| March . . .     | 72.3  | 70.1     | 72.5      | 73.6      | 71.6      | 68.7      | 6.6                           | 4.3      | 8.8       | 9.0       | 5.8       | 4.8       | 62.5  | 55.5      | 62.3      | 63.9      | 8.4    | 20.0                          | 7.0       | 23.6      | 30.0      |
| April . . .     | 75.2  | 72.9     | 75.7      | 76.3      | 74.3      | 71.9      | 6.5                           | 4.3      | 8.3       | 8.9       | 5.9       | 4.4       | 63.5  | 56.8      | 63.4      | 65.1      | 8.3    | 22.6                          | 10.0      | 30.1      | 32.4      |
| May . . .       | 79.1  | 77.6     | 79.5      | 79.7      | 78.6      | 76.6      | 5.8                           | 4.5      | 7.6       | 8.1       | 4.9       | 4.6       | 70.4  | 67.4      | 70.1      | 71.0      | 3.6    | 14.9                          | 5.9       | 20.9      | 23.3      |
| June . . .      | 78.8  | 77.9     | 78.9      | 79.3      | 78.4      | 75.9      | 4.4                           | 3.5      | 5.2       | 5.8       | 4.1       | 3.5       | 72.5  | 70.6      | 73.3      | 72.7      | 2.1    | 6.7                           | 2.0       | 10.3      | 10.7      |
| July . . .      | 77.5  | 76.6     | 77.8      | 77.8      | 76.9      | 74.7      | 3.1                           | 2.7      | 3.5       | 4.2       | 3.2       | 2.6       | 71.0  | 69.2      | 72.1      | 71.5      | 2.3    | 4.7                           | 1.5       | 6.6       | 6.8       |
| August . . .    | 76.7  | 75.6     | 77.2      | 77.1      | 75.9      | 74.3      | 3.8                           | 3.2      | 4.4       | 5.1       | 3.6       | 2.7       | 70.4  | 68.4      | 71.3      | 71.0      | 2.6    | 5.5                           | 1.2       | 7.1       | 7.6       |
| September . . . | 77.0  | 75.9     | 77.6      | 77.3      | 76.2      | 74.6      | 3.6                           | 2.4      | 4.3       | 5.4       | 3.3       | 2.2       | 70.3  | 67.7      | 71.3      | 71.0      | 3.3    | 6.4                           | 0.6       | 9.3       | 10.2      |
| October . . .   | 77.2  | 75.5     | 77.8      | 77.9      | 76.4      | 74.6      | 3.2                           | 2.4      | 4.7       | 5.2       | 3.0       | 2.3       | 71.3  | 68.6      | 71.7      | 72.1      | 3.5    | 6.4                           | 0.3       | 8.2       | 10.2      |
| November . . .  | 74.1  | 71.8     | 73.7      | 75.8      | 74.2      | 70.2      | 5.4                           | 4.1      | 7.4       | 7.6       | 4.3       | 4.5       | 65.6  | 60.9      | 66.3      | 65.9      | 5.0    | 10.7                          | 0.8       | 11.9      | 17.2      |
| December . . .  | 69.4  | 66.7     | 69.1      | 71.4      | 69.3      | 65.3      | 6.1                           | 4.8      | 7.6       | 8.7       | 5.1       | 4.7       | 60.2  | 53.7      | 60.9      | 62.0      | 8.3    | 10.9                          | 1.2       | 12.4      | 18.7      |
| Year . . .      | 74.1  | 72.3     | 74.3      | 75.4      | 73.8      | 70.9      | 5.3                           | 3.9      | 6.7       | 7.2       | 4.5       | 4.0       | 66.2  | 61.6      | 66.6      | 67.4      | 5.8    | 11.8                          | 3.2       | 14.7      | 18.0      |

92. SHOLAPUR.

93. RATNAGIRI.

| MONTH.          | Mean. | Mini-mum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |           |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |           |           |           |
|-----------------|-------|-----------|-----------|-----------|--------|-------------------------------|-----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|-----------|-----------|-----------|
|                 |       |           |           |           |        | Mean.                         | Mini-mum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Mini-mum. | 10 hours. | 16 hours. |
| January . . .   | 59.4  | 51.0      | 63.0      | 64.1      | 13.1   | 11.4                          | 6.4       | 15.0      | 20.1      | 66.9  | 61.2     | 68.5      | 71.0      | 9.8    | 6.4                           | 4.4       | 12.5      | 10.0      |
| February . . .  | 59.7  | 50.8      | 63.0      | 65.3      | 14.5   | 17.2                          | 11.0      | 20.9      | 26.6      | 68.3  | 60.5     | 70.4      | 73.9      | 13.4   | 6.3                           | 5.6       | 14.1      | 9.1       |
| March . . .     | 64.2  | 54.4      | 68.0      | 70.1      | 15.7   | 18.9                          | 14.1      | 22.2      | 27.6      | 72.3  | 67.2     | 74.3      | 75.4      | 8.2    | 6.7                           | 4.9       | 11.4      | 10.4      |
| April . . .     | 66.8  | 57.3      | 70.5      | 72.7      | 15.4   | 21.9                          | 16.7      | 26.6      | 30.7      | 74.5  | 70.6     | 75.7      | 77.1      | 6.5    | 6.8                           | 4.9       | 11.6      | 10.0      |
| May . . .       | 71.6  | 67.0      | 73.7      | 74.2      | 7.2    | 16.4                          | 9.5       | 19.6      | 25.2      | 77.2  | 74.6     | 78.4      | 78.5      | 3.9    | 7.1                           | 5.2       | 11.2      | 10.2      |
| June . . .      | 73.0  | 69.4      | 74.7      | 74.8      | 5.4    | 7.9                           | 4.0       | 10.5      | 13.6      | 75.7  | 72.7     | 77.1      | 77.4      | 4.7    | 4.4                           | 3.9       | 6.8       | 6.1       |
| July . . .      | 72.0  | 68.6      | 73.5      | 73.9      | 5.3    | 5.7                           | 2.7       | 7.5       | 10.2      | 75.3  | 71.9     | 77.2      | 76.9      | 5.0    | 2.7                           | 3.4       | 4.0       | 3.8       |
| August . . .    | 71.5  | 67.8      | 72.9      | 73.8      | 6.0    | 5.4                           | 2.3       | 7.0       | 9.8       | 75.0  | 71.4     | 76.8      | 76.8      | 5.4    | 2.5                           | 3.2       | 4.0       | 3.5       |
| September . . . | 70.9  | 67.3*     | 72.6      | 72.8      | 5.5    | 8.0                           | 3.4       | 10.4      | 14.3      | 75.4  | 71.2     | 77.5      | 77.5      | 6.3    | 3.1                           | 3.4       | 5.5       | 4.8       |
| October . . .   | 71.4  | 67.4      | 73.4      | 73.5      | 6.1    | 5.1                           | 2.6       | 8.2       | 9.5       | 75.2  | 70.9     | 77.5      | 77.3      | 6.4    | 3.1                           | 3.7       | 6.2       | 4.7       |
| November . . .  | 65.1  | 58.4      | 68.7      | 68.3      | 9.9    | 9.1                           | 4.2       | 13.5      | 17.5      | 72.2  | 66.6*    | 74.0      | 76.0      | 9.4    | 5.3                           | 4.4       | 12.3      | 7.9       |
| December . . .  | 61.0  | 52.8      | 65.0      | 65.1      | 12.3   | 8.8                           | 4.7       | 12.6      | 17.0      | 68.5  | 62.1     | 70.4      | 73.1      | 11.0   | 6.8                           | 5.4       | 14.0      | 10.0      |
| Year . . .      | 67.2  | 61.0      | 69.9      | 70.7      | 9.7    | 11.3                          | 6.8       | 14.5      | 18.5      | 73.0  | 68.4     | 74.8      | 75.9      | 7.5    | 5.1                           | 4.4       | 9.5       | 7.5       |

\* Mean of 29 days.

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

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## 94. BELGAUM.

## 95. KARWAR.

| MONTH.    | Mean. | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              | Mean. | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              |
|-----------|-------|---------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|-------|---------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|
|           |       |               |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |       |               |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |
| January   | 59.7  | 54.5          | 60.3         | 62.1         | 7.6    | 10.9                             | 2.4           | 12.8         | 18.3         | 68.1  | 63.3*         | 68.6         | 72.5         | 9.2    | 6.1                              | 2.1           | 8.0          | 10.5         |
| February  | 60.2  | 54.3          | 60.2         | 63.3         | 9.0    | 16.5                             | 6.1           | 19.7         | 24.1         | 69.5  | 63.6          | 70.2         | 74.8         | 11.2   | 6.0                              | 2.2           | 8.6          | 10.4         |
| March     | 63.0  | 57.3          | 62.2         | 65.7         | 8.4    | 16.4                             | 6.3           | 22.3         | 23.6         | 73.5  | 70.1          | 74.2         | 76.1         | 6.0    | 5.7                              | 1.8           | 9.4          | 10.3         |
| April     | 66.9  | 61.9          | 65.9         | 70.6         | 8.7    | 14.8                             | 5.0           | 22.6         | 19.9         | 76.1  | 73.6          | 77.1         | 77.5         | 3.9    | 5.9                              | 2.9           | 8.8          | 9.9          |
| May       | 70.0  | 66.4          | 70.2         | 71.3         | 4.9    | 8.4                              | 1.9           | 12.7         | 12.5         | 77.0  | 74.8          | 77.7         | 78.5         | 3.7    | 6.1                              | 3.9           | 8.8          | 9.0          |
| June      | 70.0  | 67.4          | 71.4         | 70.6         | 3.2    | 3.4                              | 1.1           | 4.3          | 4.5          | 76.6  | 74.3          | 77.5         | 77.9         | 3.6    | 2.8                              | 1.7           | 4.7          | 4.9          |
| July      | 68.6  | 66.0          | 69.9         | 69.1         | 3.1    | 2.2                              | 0.9           | 3.1          | 2.9          | 74.5  | 72.4          | 75.5         | 75.6         | 3.2    | 1.6                              | 1.1           | 2.6          | 3.0          |
| August    | 68.0  | 65.5          | 69.3         | 69.5         | 4.0    | 2.5                              | 0.6           | 3.5          | 3.4          | 74.5  | 72.2          | 75.3         | 75.9         | 3.7    | 1.9                              | 1.1           | 2.9          | 3.6          |
| September | 68.4  | 65.0          | 70.1         | 69.8         | 4.8    | 3.9                              | 0.6           | 6.7          | 5.4          | 75.4  | 73.2          | 76.4         | 76.6         | 3.4    | 2.0                              | 0.7           | 3.6          | 4.3          |
| October   | 68.6  | 64.9          | 69.9         | 70.0         | 5.1    | 4.0                              | 0.7           | 5.4          | 6.3          | 74.9  | 72.4          | 75.9         | 76.4         | 4.0    | 2.0                              | 0.6           | 3.8          | 4.4          |
| November  | 63.2  | 58.7          | 64.7         | 64.9         | 6.2    | 9.9                              | 2.4           | 11.3         | 15.6         | 71.4  | 66.7          | 72.4         | 75.0         | 8.3    | 4.5                              | 1.5           | 6.4          | 8.5          |
| December  | 59.7  | 54.7          | 61.4         | 62.0         | 7.3    | 10.6                             | 3.3           | 11.8         | 16.6         | 68.4  | 63.6          | 69.2         | 72.4         | 8.8    | 6.7                              | 2.4           | 8.5          | 11.7         |
| Year      | 65.5  | 61.4          | 66.3         | 67.4         | 6.0    | 8.6                              | 2.6           | 11.4         | 12.8         | 73.3  | 70.0          | 74.2         | 75.8         | 5.8    | 4.3                              | 1.8           | 6.3          | 7.5          |

\* Mean of 30 days.

## 96. GOPALPUR.

## 97. VIZAGAPATAM.

| MONTH.    | Mean. | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              | Mean. | 4<br>hours. | 10<br>hours. | 16<br>hours. | 22<br>hours. | Mini-<br>mum. | DIFFERENCE, DRY AND WET<br>BULB. |             |              |              |              |               |
|-----------|-------|---------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|-------|-------------|--------------|--------------|--------------|---------------|----------------------------------|-------------|--------------|--------------|--------------|---------------|
|           |       |               |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |       |             |              |              |              |               | Mean.                            | 4<br>hours. | 10<br>hours. | 16<br>hours. | 22<br>hours. | Mini-<br>mum. |
| January   | ...   | Not recorded. | 67.2         | 68.0         | ...    | ...                              | ?             | 6.9          | 7.1          | 66.7  | 65.0        | 66.9         | 67.8         | 67.2         | 60.5          | 7.6                              | 6.2         | 7.9          | 9.2          | 6.8          | 9.2           |
| February  | ...   |               | 70.4         | 72.2         | ...    | ...                              | ?             | 8.9          | 6.9          | 70.4  | 69.0        | 70.2         | 71.5         | 70.9         | 64.3          | 8.1                              | 6.5         | 9.0          | 1.00         | 6.8          | 9.5           |
| March     | ...   |               | 75.6         | 77.0         | ...    | ...                              | ?             | 6.9          | 5.3          | 74.8  | 74.3        | 74.4         | 75.3         | 75.2         | 70.8          | 8.6                              | 7.0         | 10.0         | 9.6          | 7.6          | 9.7           |
| April     | ...   |               | 78.2         | 78.5         | ...    | ...                              | ?             | 4.5          | 4.4          | 77.4  | 76.8        | 76.9         | 78.0         | 77.8         | 73.5          | 8.5                              | 7.0         | 10.4         | 9.4          | 7.3          | 9.5           |
| May       | ...   |               | 81.0         | 81.2         | ...    | ...                              | ?             | 5.4          | 4.4          | 79.5  | 79.2        | 79.5         | 79.8         | 79.4         | 75.1          | 7.4                              | 6.4         | 8.3          | 8.1          | 7.0          | 9.8           |
| June      | ...   |               | 81.3         | 81.4         | ...    | ...                              | ?             | 5.0          | 5.0          | 78.9  | 78.7        | 78.5         | 79.1         | 79.2         | 74.5          | 7.5                              | 6.4         | 8.4          | 8.5          | 6.8          | 10.1          |
| July      | ...   |               | 80.0         | 80.0         | ...    | ...                              | ?             | 4.2          | 4.3          | 78.2  | 77.8        | 77.8         | 78.7         | 78.6         | 73.9          | 6.9                              | 5.9         | 7.3          | 8.0          | 6.1          | 9.1           |
| August    | ...   |               | 80.4         | 80.5         | ...    | ...                              | ?             | 5.0          | 5.0          | 78.7  | 78.0        | 78.7         | 79.3         | 78.7         | 74.5          | 6.1                              | 5.4         | 6.3          | 7.0          | 5.7          | 8.5           |
| September | ...   |               | 80.3         | 80.1         | ...    | ...                              | ?             | 5.3          | 5.7          | 79.1  | 78.8        | 78.8         | 79.4         | 79.2         | 74.7          | 6.9                              | 5.7         | 7.8          | 7.9          | 6.2          | 9.4           |
| October   | ...   |               | 79.8         | 79.1         | ...    | ...                              | ?             | 4.9          | 5.2          | 77.8  | 77.4        | 78.0         | 78.3         | 77.3         | 73.4          | 4.9                              | 4.2         | 5.1          | 5.5          | 5.1          | 7.6           |
| November  | ...   |               | 73.6         | 73.1         | ...    | ...                              | ?             | 7.2          | 7.6          | 72.4  | 72.0        | 72.0         | 72.9         | 72.6         | 67.9          | 7.4                              | 6.2         | 8.3          | 8.6          | 6.6          | 9.8           |
| December  | ...   |               | 67.8         | 67.5         | ...    | ...                              | ?             | 7.8          | 8.8          | 67.2  | 66.1        | 67.1         | 67.8         | 67.6         | 61.2          | 7.4                              | 6.1         | 8.2          | 9.5          | 6.0          | 9.7           |
| Year      | ...   |               | 76.3         | 76.6         | ...    | ...                              | ?             | 6.0          | 5.8          | 75.1  | 74.4        | 74.9         | 75.7         | 75.3         | 70.4          | 7.3                              | 6.1         | 8.1          | 8.4          | 6.5          | 9.3           |

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

98 RAJAHMUNDY.

99. MASULIPATAM.

| MONTH.          | Mean. | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              | Mean. | Minimum                             | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              |
|-----------------|-------|---------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|-------|-------------------------------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|
|                 |       |               |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |       |                                     |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |
| January . . .   | 64.8  | 61.3          | 66.5         | 66.5         | 5.2    | 8.8                              | 2.4           | 11.2         | 15.6         | 69.0  | 62.8                                | 71.5         | 72.8         | 10.0   | 3.9                              | 1.4           | 6.4          | 6.1          |
| February . . .  | 67.3  | 64.2          | 68.8         | 68.8         | 4.6    | 12.1                             | 3.0           | 12.4         | 21.0         | 71.6  | 65.1                                | 74.8         | 75.0         | 9.9    | ?                                | ?             | 7.0          | 8.1          |
| March . . .     | 72.4  | 70.8          | 73.6         | 72.7         | 1.9    | 11.4                             | 3.4           | 11.8         | 19.0         | 76.2  | 70.2*                               | 78.3         | 78.8         | 8.6    | ?                                | ?             | 8.6          | 7.8          |
| April . . .     | 75.4  | 74.1          | 76.4         | 75.8         | 1.7    | 13.1                             | 4.5           | 13.6         | 21.2         | ?     | Shade mi-<br>nimum not<br>recorded. | 81.8         | 82.5         | ?      | ?                                | ?             | 8.2          | 6.9          |
| May . . .       | 76.5  | 74.3          | 78.1         | 77.1         | 2.8    | 11.9                             | 5.2           | 13.4         | 17.0         | 81.2  | 77.2                                | 83.1         | 83.4         | 6.2    | 5.5                              | 2.8           | 9.4          | 8.2          |
| June . . .      | 76.3  | 74.3          | 76.8         | 77.8         | 3.5    | 8.6                              | 3.9           | 9.0          | 13.0         | 79.7  | 75.7                                | 80.8         | 82.6         | 6.9    | 4.8                              | 2.8           | 7.1          | 8.0          |
| July . . .      | 75.7  | 74.1          | 76.1         | 76.9         | 2.8    | 5.9                              | 3.0           | 6.6          | 8.1          | 79.0  | 75.0                                | 80.1         | 81.9         | 6.9    | 3.8                              | 2.3           | 5.4          | 6.2          |
| August . . .    | 75.7  | 73.9          | 76.3         | 76.9         | 3.0    | 6.9                              | 3.6           | 7.6          | 9.6          | 78.6  | 75.4                                | 79.8         | 80.7         | 5.3    | 3.1                              | 1.7           | 4.5          | 5.4          |
| September . . . | 75.7  | 74.2          | 76.7         | 76.2         | 2.0    | 8.8                              | 3.7           | 10.5         | 12.1         | 77.9  | 76.0                                | 79.0         | 78.6         | 2.6    | 5.6                              | 1.8           | 8.0          | 8.9          |
| October . . .   | 74.9  | 73.3          | 76.1         | 75.3         | 2.0    | 5.1                              | 2.2           | 6.5          | 6.7          | 77.1  | 75.3                                | 78.0         | 78.0         | 2.7    | 3.1                              | 0.8           | 4.6          | 5.9          |
| November . . .  | 69.9  | 67.6          | 71.1         | 71.1         | 3.5    | 8.8                              | 3.1           | 10.3         | 13.0         | 73.3  | 71.1                                | 74.5         | 74.3         | 3.2    | 5.8                              | 1.2           | 8.1          | 9.4          |
| December . . .  | 65.2  | 61.6          | 66.6         | 67.5         | 5.9    | 8.8                              | 2.8           | 10.0         | 13.6         | 68.7  | 65.1                                | 70.5         | 70.4         | 5.3    | 5.4                              | 1.1           | 7.8          | 9.2          |
| Year . . .      | 72.5  | 70.3          | 73.6         | 73.6         | 3.2    | 9.3                              | 3.4           | 10.2         | 14.2         | ?     | ?                                   | 77.7         | 78.3         | ?      | ?                                | ?             | 7.1          | 7.5          |

\* Mean of 27 days.

100. SECUNDERABAD.

101. KURNOOL.

| MONTH.          | Mean. | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | 22<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              |              | Mean. | Minimum                             | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              |
|-----------------|-------|---------------|--------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|--------------|-------|-------------------------------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|
|                 |       |               |              |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | 22<br>hours. |       |                                     |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |
| January . . .   | 60.3  | 55.7          | 62.3         | 63.5         | 59.6         | 7.8    | 9.1                              | 3.1           | 10.0         | 16.7         | 8.1          | 63.6  | 57.8                                | 66.3         | 66.7         | 8.9    | 10.4                             | 2.1           | 11.2         | 17.9         |
| February . . .  | 61.3  | 56.4          | 63.2         | 64.6         | 60.6         | 8.2    | 14.4                             | 6.3           | 16.0         | 23.4         | 13.4         | 63.9  | 57.6                                | 66.6         | 67.5         | 9.9    | 15.1                             | 3.6           | 17.0         | 24.7         |
| March . . .     | 66.0  | 61.4          | 68.5         | 68.7         | 65.0         | 7.3    | 16.0                             | 8.1           | 17.1         | 25.4         | 15.3         | ?     | Imper-<br>fect.<br>Not<br>recorded. | 70.9         | 71.8         | ?      | ?                                | ?             | 18.8         | 26.3         |
| April . . .     | 69.2  | 64.8          | 71.6         | 71.8         | 67.8         | 7.0    | 18.7                             | 10.3          | 20.7         | 28.0         | 17.8         | ?     |                                     | 73.8         | 72.8         | ?      | ?                                | ?             | 21.0         | 30.3         |
| May . . .       | 72.2  | 68.5          | 73.6         | 74.3         | 71.4         | 5.8    | 14.8                             | 9.2           | 16.2         | 22.1         | 13.7         | 73.6  | 71.1*                               | 75.2         | 74.6         | 3.5    | 17.4                             | 8.8           | 18.5         | 24.9         |
| June . . .      | 72.6  | 69.6          | 73.6         | 74.7         | 72.1         | 5.1    | 7.7                              | 4.1           | 8.7          | 12.8         | 6.5          | 74.0  | 71.3                                | 75.0         | 75.7         | 4.4    | 10.3                             | 4.7           | 11.1         | 15.2         |
| July . . .      | 72.2  | 69.4          | 72.8         | 73.9         | 72.0         | 4.5    | 4.2                              | 2.2           | 5.7          | 6.8          | 3.2          | 73.7  | 71.0                                | 74.8         | 75.4         | 4.4    | 7.5                              | 3.2           | 8.1          | 11.1         |
| August . . .    | 71.8  | 69.0          | 72.3         | 73.5         | 71.8         | 4.5    | 5.0                              | 2.6           | 6.5          | 8.5          | 3.5          | 73.6  | 70.0                                | 74.6         | 76.1         | 6.1    | 6.6                              | 3.2           | 6.9          | 9.7          |
| September . . . | 73.1  | 69.9          | 74.5         | 75.0         | 72.2         | 5.1    | 6.2                              | 2.2           | 8.4          | 10.4         | 4.6          | 73.9  | 70.2                                | 75.9         | 75.7         | 5.5    | 8.7                              | 4.7           | 8.9          | 12.4         |
| October . . .   | 72.2  | 69.6          | 73.1         | 73.9         | 71.8         | 4.3    | 4.8                              | 1.4           | 6.4          | 9.1          | 3.3          | 74.4  | 70.0                                | 76.0         | 77.1         | 7.1    | 5.5                              | 2.8           | 5.8          | 7.9          |
| November . . .  | 66.1  | 62.0          | 68.4         | 69.0         | 64.9         | 7.0    | 7.2                              | 2.2           | 9.5          | 12.6         | 5.5          | 69.3  | 62.7                                | 72.9         | 72.4         | 9.7    | 8.6                              | 2.2           | 10.1         | 13.4         |
| December . . .  | 61.5  | 55.8          | 64.0         | 65.8         | 60.3         | 10.0   | 7.1                              | 1.9           | 9.1          | 13.5         | 5.8          | 64.2  | 56.4                                | 67.4         | 68.8         | 12.4   | 8.8                              | 2.1           | 10.0         | 14.3         |
| Year . . .      | 68.2  | 64.3          | 69.8         | 70.7         | 67.5         | 6.4    | 9.6                              | 4.5           | 11.2         | 15.8         | 8.4          | ?     | ?                                   | 72.5         | 72.9         | ?      | ?                                | ?             | 12.3         | 17.3         |

\* Mean of 27 days.

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

## 102. BELLARY.

## 103. MANGALORE.

| MONTH.    | Mean. | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | 22<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              |              | Mean. | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              |
|-----------|-------|---------------|--------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|--------------|-------|---------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|
|           |       |               |              |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | 22<br>hours. |       |               |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |
|           |       |               |              |              |              |        |                                  |               |              |              |              |       |               |              |              |        |                                  |               |              |              |
| January   | 61.4  | 54.9          | 64.4         | 65.3         | 60.9         | 10.4   | 11.3                             | 4.6           | 12.2         | 19.9         | 10.0         | 70.9  | 66.9          | 71.5         | 74.4         | 7.5    | 5.8                              | 3.7           | 9.6          | 8.4          |
| February  | 62.1  | 56.3          | 64.5         | 66.1         | 61.2         | 9.8    | 15.5                             | 6.8           | 17.1         | 25.7         | 14.3         | 71.3  | 67.6          | 70.9         | 75.5         | 7.9    | 6.9                              | 3.6           | 13.5         | 9.7          |
| March     | 65.8  | 61.4          | 67.1         | 69.2         | 64.8         | 7.8    | 19.2                             | 10.1          | 20.8         | 28.8         | 18.6         | 76.9  | 73.0          | 78.1         | 79.6         | 6.6    | 4.9                              | 3.6           | 7.1          | 7.3          |
| April     | 67.1  | 62.4          | 69.2         | 70.1         | 65.9         | 7.7    | 22.8                             | 15.5          | 23.7         | 32.1         | 22.0         | 79.4  | 76.5          | 80.5         | 81.3         | 4.8    | 5.1                              | 3.9           | 6.6          | 7.2          |
| May       | 72.0  | 68.0          | 73.6         | 73.8         | 72.0         | 5.8    | 16.2                             | 9.7           | 16.7         | 25.6         | 14.2         | 78.7  | 76.2          | 79.5         | 80.5         | 4.3    | 4.3                              | 2.8           | 6.3          | 6.5          |
| June      | 72.7  | 67.0          | 75.2         | 75.6         | 72.2         | 8.6    | 9.5                              | 7.5           | 9.7          | 14.1         | 8.3          | 76.9  | 74.6          | 78.1         | 77.9         | 3.3    | 2.2                              | 1.4           | 3.8          | 4.3          |
| July      | 72.8  | 69.1          | 74.0         | 75.4         | 72.0         | 6.3    | 7.9                              | 5.1           | 9.4          | 11.9         | 6.4          | 74.6  | 72.2          | 75.6         | 76.0         | 3.8    | 1.5                              | 1.2           | 2.1          | 2.7          |
| August    | 73.0  | 70.3          | 73.4         | 74.8         | 73.2         | 4.5    | 6.7                              | 2.2           | 7.8          | 11.9         | 5.6          | 74.5  | 72.2          | 75.4         | 75.8         | 3.6    | 1.6                              | 1.3           | 2.5          | 2.9          |
| September | 72.6  | 68.8          | 74.0         | 74.7         | 72.1         | 5.9    | 8.7                              | 4.8           | 9.4          | 13.7         | 7.6          | 75.2  | 72.8          | 76.0         | 76.7         | 3.9    | 2.0                              | 1.2           | 3.7          | 3.7          |
| October   | 72.1  | 68.2          | 74.3         | 74.2         | 71.3         | 6.0    | 6.5                              | 3.5           | 7.3          | 10.5         | 5.7          | 75.5  | 72.6          | 76.5         | 77.5         | 4.9    | 2.3                              | 1.4           | 4.6          | 4.0          |
| November  | 67.2  | 62.9          | 69.7         | 70.0         | 66.0         | 7.1    | 9.1                              | 3.9           | 10.9         | 15.0         | 7.5          | 73.0  | 70.1          | 73.9         | 74.9         | 4.8    | 4.7                              | 2.0           | 8.6          | 8.3          |
| December  | 63.2  | 57.8          | 66.5         | 67.2         | 61.4         | 9.4    | 8.2                              | 3.2           | 9.6          | 14.6         | 7.0          | 69.6  | 66.2          | 69.7         | 72.8         | 6.6    | 7.3                              | 3.9           | 12.2         | 10.9         |
| Year      | 68.5  | 63.9          | 70.5         | 71.4         | 67.8         | 7.4    | 11.8                             | 6.4           | 12.9         | 18.7         | 10.6         | 74.7  | 71.7          | 75.5         | 76.9         | 5.2    | 4.1                              | 2.5           | 6.7          | 6.3          |

## 104. MERCARA.

## 105. BANGALORE.

| MONTH.        | Mean. | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              | Mean. | Minimum.        | 10<br>hours. | 16<br>hours. | 22<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              |              |
|---------------|-------|---------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|-------|-----------------|--------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|--------------|
|               |       |               |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |       |                 |              |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | 22<br>hours. |
| January . .   | 62.1  | 55.2          | 63.3         | 67.8         | 12.6   | 3.1                              | 2.4           | 4.3          | 4.9          | 60.5  | Imper-<br>fect. | 62.3         | 63.0         | 59.2         | ?      | 7.3                              | ?             | 8.7          | 15.1         | 7.0          |
| February . .  | 58.9  | 53.4          | 60.8         | 62.5         | 9.1    | 9.8                              | 5.4           | 11.5         | 16.1         | 60.8  | 56.3            | 62.9         | 64.0         | 60.2         | 7.7    | 10.8                             | 1.7           | 12.9         | 19.4         | 9.9          |
| March . .     | 62.8  | 57.6          | 64.8         | 66.0         | 8.4    | 9.3                              | 4.4           | 13.3         | 16.1         | 65.6  | 60.5            | 68.1         | 69.0         | 64.4         | 8.5    | 10.9                             | 3.8           | 12.5         | 19.8         | 8.8          |
| April . .     | 67.7  | 63.1          | 69.0         | 70.9         | 7.8    | 5.5                              | 2.2           | 10.1         | 10.1         | 68.3  | 64.2            | 71.5         | 70.5         | 66.3         | 6.3    | 11.8                             | 5.9           | 11.9         | 21.8         | 9.3          |
| May . .       | 67.5  | 63.8          | 69.1         | 69.6         | 5.8    | 2.6                              | 1.6           | 5.4          | 5.1          | 70.0  | 65.7            | 72.1         | 73.1         | 68.3         | 7.4    | 7.2                              | 3.1           | 7.1          | 13.4         | 6.9          |
| June . .      | 65.9  | 63.3          | 67.6         | 66.7         | 3.4    | 0.2                              | 0.8           | 1.5          | 1.4          | 68.8  | 65.2            | 70.3         | 71.3         | 67.4         | 6.1    | 4.7                              | 1.5           | 5.6          | 8.8          | 4.5          |
| July . .      | 64.3  | 62.2          | 65.5         | 65.2         | 3.0    | 0.2                              | 0.7           | 0.8          | 0.9          | 68.2  | 65.2            | 69.1         | 70.4         | 67.3         | 5.2    | 3.7                              | 1.3           | 4.4          | 6.2          | 4.1          |
| August . .    | 63.8  | 61.6          | 64.8         | 65.0         | 3.4    | 0.3                              | 0.6           | 1.0          | 0.9          | 67.8  | 65.1            | 68.4         | 70.0         | 67.2         | 4.9    | 3.9                              | 0.8           | 4.3          | 7.3          | 3.8          |
| September . . | 65.0  | 61.8          | 66.7         | 66.4         | 4.6    | 0.4                              | 0.7           | 2.4          | 1.9          | 68.2  | 64.8            | 69.1         | 70.4         | 67.6         | 5.6    | 4.5                              | 0.9           | 5.0          | 8.7          | 4.2          |
| October . .   | 64.5  | 60.9          | 66.4         | 66.1         | 5.2    | 0.7                              | 1.1           | 2.8          | 2.3          | 67.3  | 64.4            | 68.4         | 69.2         | 66.7         | 4.8    | 4.6                              | 0.9           | 5.9          | 8.8          | 4.0          |
| November . .  | 61.4  | 57.1          | 63.0         | 64.1         | 7.0    | 3.7                              | 1.9           | 6.1          | 7.0          | 63.2  | 59.4            | 65.3         | 65.4         | 62.7         | 6.0    | 6.4                              | 1.6           | 7.8          | 11.0         | 5.0          |
| December . .  | 59.2  | 55.1          | 60.7         | 61.8         | 6.7    | 4.8                              | 2.4           | 6.2          | 8.7          | 60.8  | 57.1            | 62.0         | 63.6         | 60.6         | 6.5    | 5.9                              | 1.5           | 6.8          | 10.5         | 5.9          |
| Year . .      | 63.6  | 59.6          | 65.1         | 66.0         | 6.4    | 3.4                              | 2.0           | 5.5          | 6.3          | 65.8  | ?               | 67.5         | 68.3         | 64.8         | ?      | 6.8                              | ?             | 7.7          | 12.6         | 6.2          |

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

## 106. CUDDAPAH.

## 107. MADRAS.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | 22 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |           |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. | 22 hours. |
| January . . .   | 66.9  | 63.6     | 68.1      | 69.1      | 5.5    | 9.0                           | 1.3      | 10.4      | 15.3      | 69.3  | 65.8     | 71.2      | 71.4      | 68.6      | 5.6    | 5.2                           | 1.6      | 7.9       | 8.9       | 3.5       |
| February . . .  | 68.7  | 63.2     | 70.5      | 72.4      | 9.2    | 11.8                          | 3.2      | 13.4      | 18.8      | 70.4  | 66.3     | 72.5      | 72.9      | 69.8      | 6.6    | 6.2                           | 1.4      | 9.9       | 10.2      | 4.1       |
| March . . .     | 72.3  | 68.6     | 74.3      | 73.9      | 5.3    | 16.0                          | 5.8      | 17.2      | 25.1      | 74.8  | 71.6     | 75.9      | 76.7      | 74.4      | 5.1    | 5.6                           | 1.4      | 9.6       | 8.3       | 4.2       |
| April . . .     | 74.0  | 70.3     | 76.3      | 75.5      | 5.2    | 20.2                          | 11.0     | 20.2      | 29.2      | 77.8  | 75.1     | 78.4      | 79.3      | 78.2      | 4.2    | 5.9                           | 1.6      | 11.1      | 8.1       | 3.5       |
| May . . .       | 75.7  | 73.7     | 76.6      | 76.7      | 3.0    | 15.7                          | 8.2      | 15.8      | 23.1      | 78.9  | 76.1     | 78.9      | 80.3      | 79.6      | 4.2    | 6.8                           | 3.8      | 10.8      | 9.5       | 4.5       |
| June . . .      | 75.6  | 73.6     | 76.5      | 76.8      | 3.2    | 12.2                          | 6.2      | 13.0      | 17.3      | 77.9  | 75.0     | 78.3      | 80.2      | 77.7      | 5.2    | 5.8                           | 2.9      | 9.0       | 8.3       | 4.0       |
| July . . .      | 74.8  | 73.3     | 75.1      | 76.1      | 2.8    | 10.0                          | 4.0      | 10.7      | 15.1      | 77.0  | 74.0     | 77.6      | 78.8      | 76.9      | 4.8    | 6.1                           | 3.4      | 8.1       | 9.7       | 4.4       |
| August . . .    | 74.7  | 73.0     | 75.0      | 76.1      | 3.1    | 8.8                           | 3.7      | 9.5       | 13.2      | 76.8  | 74.4     | 77.1      | 78.5      | 76.3      | 4.1    | 5.5                           | 2.8      | 8.3       | 8.0       | 3.6       |
| September . . . | 75.1  | 73.4     | 75.6      | 76.2      | 2.8    | 9.2                           | 3.7      | 9.3       | 14.7      | 77.6  | 74.4     | 77.6      | 79.1      | 77.5      | 4.7    | 6.4                           | 3.3      | 10.7      | 9.5       | 3.9       |
| October . . .   | 74.3  | 72.7     | 74.8      | 75.5      | 2.8    | 6.9                           | 2.2      | 7.8       | 10.5      | 76.7  | 73.8     | 77.8      | 78.3      | 76.7      | 4.5    | 4.1                           | 1.7      | 6.3       | 7.0       | 2.3       |
| November . . .  | 71.0  | 68.6     | 72.3      | 72.0      | 3.4    | 7.9                           | 2.0      | 9.2       | 12.6      | 73.2  | 70.8     | 74.7      | 74.6      | 72.7      | 3.8    | 4.6                           | 1.2      | 7.2       | 7.5       | 3.1       |
| December . . .  | 67.8  | 64.2     | 69.1      | 70.0      | 5.8    | 7.1                           | 1.3      | 8.1       | 12.1      | 70.9  | 68.3     | 72.2      | 72.9      | 70.2      | 4.6    | 4.4                           | 1.6      | 6.5       | 6.9       | 3.6       |
| Year . . .      | 72.6  | 69.9     | 73.7      | 74.2      | 4.3    | 11.2                          | 4.4      | 12.1      | 17.3      | 75.1  | 72.1     | 76.0      | 76.9      | 74.9      | 4.8    | 5.6                           | 2.2      | 8.8       | 8.5       | 3.7       |

## 108. SALEM.

## 109. WELLINGTON.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | 22 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | 22 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |           |
|-----------------|-------|----------|-----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-----------|-------|----------|-----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-----------|
|                 |       |          |           |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. | 22 hours. |       |          |           |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. | 22 hours. |
| January . . .   | 69.9  | 58.4     | 74.0      | 75.9      | 71.5      | 17.5   | 4.9                           | 3.3      | 4.9       | 9.8       | 3.0       | 52.8  | 44.8     | 56.2      | 58.5      | 51.7      | 13.7   | 3.5                           | 2.9      | 6.3       | 4.4       | 1.6       |
| February . . .  | 70.8  | 59.8     | 73.8      | 77.2      | 72.1      | 17.4   | 7.1                           | 3.1      | 8.2       | 14.0      | 4.7       | 50.3  | 42.2     | 52.3      | 55.3      | 51.3      | 13.1   | 8.9                           | 5.7      | 14.2      | 11.7      | 4.7       |
| March . . .     | 74.6  | 66.6     | 76.6      | 79.6      | 74.8      | 13.0   | 8.6                           | 3.6      | 8.8       | 17.0      | 6.8       | 54.6  | 48.9     | 56.5      | 58.0      | 54.8      | 9.1    | 8.7                           | 4.3      | 13.5      | 12.2      | 6.0       |
| April . . .     | 77.7  | 71.9     | 79.5      | 80.7      | 77.4      | 8.8    | 9.7                           | 3.1      | 10.2      | 19.2      | 8.7       | 57.0  | 52.3     | 58.3      | 59.5      | 57.0      | 7.2    | 9.5                           | 4.5      | 14.8      | 13.3      | 7.2       |
| May . . .       | 77.0  | 71.1     | 79.3      | 80.5      | 76.0      | 9.4    | 6.4                           | 3.4      | 7.9       | 12.0      | 4.4       | 60.3  | 56.0     | 62.0      | 62.8      | 59.4      | 6.8    | 5.0                           | 3.1      | 8.7       | 6.3       | 3.6       |
| June . . .      | 75.7  | 70.4     | 77.1      | 79.2      | 75.2      | 8.8    | 6.2                           | 2.9      | 8.3       | 11.4      | 4.1       | 59.1  | 54.2     | 61.6      | 62.0      | 57.8      | 7.8    | 4.6                           | 3.7      | 7.2       | 5.2       | 3.8       |
| July . . .      | 74.8  | 68.7     | 76.5      | 77.6      | 75.1      | 8.9    | 5.5                           | 3.0      | 7.4       | 10.1      | 3.6       | 58.9  | 55.4     | 60.5      | 61.2      | 57.9      | 5.8    | 3.7                           | 3.0      | 5.8       | 4.2       | 2.7       |
| August . . .    | 73.8  | 67.1     | 75.5      | 77.2      | 74.4      | 10.1   | 5.0                           | 3.1      | 6.2       | 9.0       | 3.1       | 58.4  | 54.6     | 60.2      | 60.7      | 57.3      | 6.1    | 3.7                           | 2.9      | 6.1       | 4.0       | 3.0       |
| September . . . | 74.5  | 67.0     | 76.2      | 78.6      | 74.6      | 11.6   | 5.2                           | 3.2      | 6.6       | 9.3       | 3.3       | 58.5  | 53.7     | 61.1      | 60.8      | 57.6      | 7.1    | 3.8                           | 2.5      | 6.3       | 4.8       | 2.3       |
| October . . .   | 73.9  | 67.1     | 76.1      | 77.3      | 74.4      | 10.2   | 4.7                           | 2.8      | 6.7       | 7.5       | 3.0       | 57.4  | 52.5     | 60.0      | 60.5      | 56.0      | 8.0    | 3.7                           | 2.5      | 6.6       | 4.7       | 2.3       |
| November . . .  | 71.7  | 62.2     | 75.1      | 76.8      | 72.3      | 14.6   | 4.7                           | 3.2      | 5.9       | 7.8       | 3.1       | 54.8  | 48.9     | 57.6      | 58.4      | 54.1      | 9.5    | 3.7                           | 2.5      | 6.2       | 4.9       | 2.2       |
| December . . .  | 68.8  | 59.7     | 72.2      | 73.8      | 69.4      | 14.1   | 5.6                           | 3.4      | 7.3       | 9.3       | 4.4       | 51.3  | 45.2     | 54.5      | 54.7      | 50.9      | 9.5    | 4.9                           | 3.4      | 7.4       | 6.7       | 3.3       |
| Year . . .      | 73.6  | 65.8     | 76.0      | 77.9      | 73.9      | 12.0   | 6.1                           | 3.2      | 7.4       | 11.4      | 4.4       | 56.1  | 50.7     | 58.4      | 59.4      | 55.5      | 8.6    | 5.3                           | 3.4      | 8.6       | 6.9       | 3.5       |

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

## 110 CALCUT.

## 111 COIMBATORE.

| MONTH.          | Mean. | Minimum.     | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------------|-------|--------------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                 |       |              |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . .   | ?     | Not recorded | 73.5      | 74.7      | ?      | ?                             | ?        | 7.4       | 9.0       | 68.5  | 62.9     | 68.5      | 75.2      | 12.3   | 5.2                           | 2.1      | 6.8       | 8.9       |
| February . . .  | ?     | "            | 73.5      | 75.1      | ?      | ?                             | ?        | 8.1       | 8.9       | 70.3  | 62.9     | 69.8      | 78.3      | 15.4   | 7.0                           | 2.6      | 8.1       | 11.2      |
| March . . .     | ?     | "            | 76.7      | 78.7      | ?      | ?                             | ?        | 7.3       | 7.3       | 73.3  | 67.3     | 73.7      | 78.9      | 11.6   | 8.2                           | 2.5      | 8.9       | 15.1      |
| April . . .     | ?     | "            | 78.2      | 79.8      | ?      | ?                             | ?        | 7.2       | 7.2       | 72.8  | 68.7     | 75.1      | 74.7      | 6.0    | 11.1                          | 4.2      | 11.6      | 21.5      |
| May . . .       | ?     | "            | 78.4      | 79.5      | ?      | ?                             | ?        | 5.6       | 6.0       | 72.2  | 65.7     | 75.2      | 75.6      | 9.9    | 7.5                           | 7.3      | 7.8       | 11.2      |
| June . . .      | ?     | "            | 76.8      | 77.4      | ?      | ?                             | ?        | 3.1       | 4.0       | 71.3  | 65.1     | 74.4      | 74.4      | 9.3    | 6.7                           | 6.8      | 6.4       | 9.2       |
| July . . .      | ?     | "            | 74.8      | 75.2      | ?      | ?                             | ?        | 2.4       | 2.4       | 70.4  | 64.1     | 73.3      | 73.8      | 9.7    | 5.9                           | 7.0      | 5.9       | 7.1       |
| August . . .    | ?     | "            | 74.4      | 75.0      | ?      | ?                             | ?        | 2.4       | 3.0       | 70.3  | 64.0     | 73.1      | 73.9      | 9.9    | 5.8                           | 6.6      | 5.7       | 7.1       |
| September . . . | ?     | "            | 75.2      | 76.1      | ?      | ?                             | ?        | 3.6       | 4.5       | 71.6  | 64.6     | 73.9      | 76.2      | 11.6   | 5.7                           | 6.1      | 5.9       | 7.3       |
| October . . .   | ?     | "            | 75.6      | 76.4      | ?      | ?                             | ?        | 4.7       | 5.6       | 70.8  | 64.5     | 73.5      | 74.5      | 10.0   | 6.3                           | 6.1      | 7.7       | 9.1       |
| November . . .  | ?     | "            | 74.9      | 76.0      | ?      | ?                             | ?        | 6.2       | 7.0       | 68.8  | 61.7     | 71.6      | 73.1      | 11.4   | 6.6                           | 6.1      | 6.8       | 9.8       |
| December . . .  | ?     | "            | 72.6      | 74.8      | ?      | ?                             | ?        | 7.0       | 7.8       | 65.9  | 58.6     | 68.4      | 70.6      | 12.0   | 8.3                           | 7.3      | 7.4       | 12.2      |
| Year . . .      | ?     | "            | 75.4      | 76.6      | ?      | ?                             | ?        | 5.4       | 6.1       | 70.5  | 64.2     | 72.5      | 74.9      | 10.8   | 7.0                           | 5.4      | 7.4       | 10.8      |

## 112. TRICHINOPOLY.

## 113. NEGAPATAM.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | 22 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | 22 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |           |
|-----------------|-------|----------|-----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-----------|-------|----------|-----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-----------|
|                 |       |          |           |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. | 22 hours. |       |          |           |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. | 22 hours. |
| January . . .   | 70.0  | 65.0     | 72.0      | 72.8      | 70.1      | 7.8    | 5.8                           | 2.3      | 7.3       | 11.2      | 3.4       | 71.8  | 68.7     | 72.9      | 73.3      | 72.3      | 4.6    | 4.3                           | 1.8      | 5.8       | 5.8       | 4.2       |
| February . . .  | 70.4  | 65.1     | 71.9      | 73.2      | 71.4      | 8.1    | 8.3                           | 2.4      | 10.4      | 16.5      | 4.9       | 72.1  | 69.1     | 73.7      | 73.6      | 72.1      | 4.5    | 6.0                           | 2.9      | 7.8       | 8.0       | 5.8       |
| March . . .     | 73.9  | 71.0     | 74.9      | 75.7      | 74.4      | 4.7    | 9.5                           | 2.2      | 11.3      | 19.1      | 6.2       | 75.8  | 72.8     | 77.5      | 77.4      | 75.5      | 4.6    | 6.2                           | 3.7      | 8.1       | 8.1       | 5.3       |
| April . . .     | 76.5  | 72.9     | 77.3      | 78.8      | 76.3      | 5.9    | 12.2                          | 4.8      | 13.8      | 21.1      | 10.4      | 79.1  | 76.3     | 80.1      | 80.4      | 79.2      | 4.1    | 5.8                           | 3.3      | 8.2       | 8.0       | 4.4       |
| May . . .       | 76.7  | 73.6     | 76.9      | 78.8      | 76.7      | 5.2    | 9.2                           | 4.1      | 11.4      | 15.8      | 7.1       | 79.1  | 75.9     | 79.3      | 80.9      | 79.6      | 5.0    | 6.6                           | 3.6      | 10.4      | 8.8       | 4.8       |
| June . . .      | 76.0  | 73.0     | 76.5      | 77.8      | 75.8      | 4.8    | 10.1                          | 5.2      | 11.9      | 15.9      | 9.0       | 77.9  | 75.0     | 78.1      | 79.9      | 78.1      | 4.9    | 6.9                           | 3.5      | 10.7      | 9.5       | 4.9       |
| July . . .      | 75.2  | 71.8     | 75.9      | 77.2      | 75.3      | 5.4    | 8.4                           | 4.6      | 10.5      | 13.7      | 6.1       | 77.1  | 74.1     | 77.2      | 79.0      | 77.5      | 4.9    | 6.4                           | 3.5      | 8.5       | 9.7       | 4.8       |
| August . . .    | 75.2  | 71.1     | 76.0      | 77.6      | 75.4      | 6.5    | 7.1                           | 4.2      | 8.1       | 12.0      | 4.9       | 76.7  | 73.5     | 76.7      | 78.9      | 77.3      | 5.4    | 5.2                           | 2.8      | 7.0       | 7.7       | 3.7       |
| September . . . | 75.6  | 71.7     | 76.5      | 78.0      | 75.6      | 6.3    | 7.4                           | 3.7      | 9.5       | 13.0      | 4.0       | 77.1  | 74.1     | 77.4      | 79.2      | 77.1      | 5.1    | 5.4                           | 2.6      | 7.3       | 8.5       | 3.6       |
| October . . .   | 75.0  | 71.3     | 75.9      | 76.9      | 75.5      | 5.6    | 8.0                           | 4.2      | 10.6      | 13.5      | 4.8       | 76.8  | 73.9     | 77.4      | 78.7      | 76.9      | 4.8    | 5.1                           | 2.9      | 7.0       | 7.3       | 3.8       |
| November . . .  | 73.2  | 69.3     | 74.4      | 74.7      | 74.0      | 5.4    | 5.2                           | 2.2      | 7.4       | 9.7       | 2.5       | 74.1  | 72.2     | 75.5      | 74.4      | 74.2      | 2.2    | 5.1                           | 2.3      | 6.2       | 7.1       | 5.1       |
| December . . .  | 69.9  | 65.3     | 71.7      | 72.5      | 70.1      | 7.2    | 5.9                           | 3.4      | 7.9       | 9.8       | 3.7       | 71.7  | 69.4     | 72.9      | 72.6      | 71.9      | 3.2    | 5.0                           | 3.2      | 5.8       | 6.7       | 4.9       |
| Year . . .      | 74.0  | 70.1     | 75.0      | 76.2      | 74.2      | 6.1    | 8.1                           | 3.6      | 10.0      | 14.3      | 5.6       | 75.8  | 72.9     | 76.6      | 77.4      | 76.0      | 4.4    | 5.7                           | 3.0      | 7.7       | 7.9       | 4.6       |

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

114. MADURA.

115. COCHIN.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | 22 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |           |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. | 22 hours. |
| January . . .   | 70.4  | 66.2     | 71.4      | 74.2      | 8.0    | 5.8                           | 2.3      | 7.5       | 9.4       | 73.0  | 69.6     | 74.0      | 75.2      | 73.3      | 5.6    | 7.9                           | 4.0      | 9.4       | 10.5      | 4.8       |
| February . . .  | 71.6  | 66.5     | 72.0      | 76.4      | 9.9    | 7.5                           | 2.3      | 10.0      | 11.9      | 72.9  | 69.4     | 73.2      | 75.3      | 73.3      | 5.9    | 7.7                           | 4.9      | 11.5      | 11.2      | 4.3       |
| March . . .     | 74.8  | 71.0     | 74.6      | 78.8      | 7.8    | 9.4                           | 2.7      | 11.1      | 16.1      | 76.8  | 74.5     | 77.4      | 78.3      | 76.8      | 3.8    | 7.0                           | 3.6      | 9.6       | 9.9       | 5.6       |
| April . . .     | 77.2  | 73.6     | 77.4      | 80.7      | 7.1    | 10.3                          | 3.3      | 11.7      | 17.5      | 78.5  | 76.2     | 79.2      | 80.0      | 78.0      | 3.8    | 6.5                           | 4.0      | 8.4       | 9.2       | 5.5       |
| May . . .       | 76.4  | 73.0     | 77.2      | 79.1      | 6.1    | 8.6                           | 4.6      | 11.8      | 14.0      | 77.8  | 75.0     | 78.9      | 79.2      | 77.4      | 4.2    | 4.3                           | 2.6      | 5.7       | 6.6       | 3.5       |
| June . . .      | 75.4  | 72.0     | 76.4      | 77.9      | 5.9    | 9.5                           | 5.2      | 14.0      | 14.6      | 76.6  | 74.0     | 77.4      | 77.9      | 76.6      | 3.9    | 2.9                           | 1.7      | 3.8       | 4.6       | 2.3       |
| July . . .      | 73.9  | 70.5     | 75.3      | 75.8      | 5.3    | 8.4                           | 5.4      | 11.2      | 12.4      | 74.7  | 72.7     | 75.8      | 75.7      | 74.3      | 3.0    | 2.4                           | 1.7      | 3.5       | 3.3       | 1.9       |
| August . . .    | 73.5  | 69.9     | 75.1      | 75.6      | 5.7    | 8.3                           | 5.1      | 10.7      | 12.6      | 74.4  | 72.7     | 75.3      | 75.3      | 74.1      | 2.6    | 2.5                           | 1.8      | 3.2       | 3.7       | 1.9       |
| September . . . | 73.8  | 69.8     | 75.4      | 76.1      | 6.3    | 8.1                           | 4.9      | 10.0      | 12.4      | 75.1  | 72.8     | 76.1      | 76.0      | 75.1      | 3.2    | 3.3                           | 2.2      | 4.1       | 5.1       | 2.2       |
| October . . .   | 73.3  | 69.6     | 75.0      | 75.3      | 5.7    | 8.1                           | 5.2      | 10.6      | 12.0      | 75.3  | 72.8     | 76.2      | 76.7      | 75.1      | 3.9    | 3.5                           | 2.4      | 4.8       | 5.5       | 2.3       |
| November . . .  | 72.2  | 68.9     | 73.7      | 73.9      | 5.0    | 6.5                           | 3.1      | 8.4       | 10.1      | 74.7  | 72.2     | 75.8      | 75.9      | 74.7      | 3.7    | 4.7                           | 2.2      | 6.7       | 7.5       | 3.1       |
| December . . .  | 71.0  | 67.9     | 72.5      | 72.5      | 4.6    | 5.8                           | 1.7      | 8.3       | 10.2      | 72.1  | 69.0     | 72.8      | 73.8      | 72.7      | 4.8    | 6.4                           | 3.2      | 9.8       | 10.5      | 3.5       |
| Year . . .      | 73.6  | 69.9     | 74.7      | 76.4      | 6.5    | 8.0                           | 3.8      | 10.4      | 12.8      | 75.2  | 72.6     | 76.0      | 76.6      | 75.1      | 4.0    | 4.9                           | 2.9      | 6.7       | 7.3       | 3.4       |

116. MANDALAY.

117. AKYAB.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . .   |       |          |           |           |        |                               |          |           |           | 65.6  | 58.0     | 66.4      | 72.4      | 14.4   | 4.4                           | 3.0      | 4.5       | 5.2       |
| February . . .  |       |          |           |           |        |                               |          |           |           | 63.5  | 56.6     | 65.3      | 68.6      | 12.0   | 8.8                           | 4.0      | 8.7       | 11.6      |
| March . . .     |       |          |           |           |        |                               |          |           |           | 71.3  | 65.7*    | 73.3*     | 74.8*     | 9.1    | 8.2                           | 3.6      | 8.8       | 10.0      |
| April . . .     |       |          |           |           |        |                               |          |           |           | 76.0  | 72.5     | 77.6      | 77.9      | 5.4    | 7.8                           | 3.8      | 9.0       | 8.8       |
| May . . .       |       |          |           |           |        |                               |          |           |           | 78.5  | 75.2†    | 79.7†     | 80.5†     | 5.3    | 7.0                           | 3.7      | 8.1       | 7.6       |
| June . . .      |       |          |           |           |        |                               |          |           |           | 78.1  | 75.6     | 79.0      | 79.8      | 4.2    | 4.1                           | 3.9      | 3.3       | 3.2       |
| July . . .      |       |          |           |           |        |                               |          |           |           | 77.4  | 75.0     | 78.5      | 78.6      | 3.6    | 4.0                           | 3.6      | 2.9       | 3.1       |
| August . . .    |       |          |           |           |        |                               |          |           |           | 76.8  | 74.9     | 77.6      | 77.9      | 3.0    | 4.1                           | 3.3      | 3.5       | 3.9       |
| September . . . |       |          |           |           |        |                               |          |           |           | 77.6  | 75.6†    | 78.3†     | 78.8†     | 3.2    | 5.2                           | 3.9      | 4.9       | 5.6       |
| October . . .   |       |          |           |           |        |                               |          |           |           | 77.6  | 74.6     | 78.9      | 79.3      | 4.7    | 5.9                           | 3.9      | 5.6       | 7.5       |
| November . . .  | 70.1  | 65.2     | 72.6      | 73.1      | 7.9    | 4.9                           | 3.1      | 5.4       | 8.6       | 72.6  | 69.7     | 73.8      | 74.2      | 4.5    | 5.9                           | 3.7      | 5.9       | 7.7       |
| December . . .  | 65.3  | 59.1     | 67.0      | 69.9      | 10.8   | 6.2                           | 2.6      | 6.3       | 11.4      | 65.6  | 60.7     | 67.7      | 68.3      | 7.6    | 6.9                           | 3.8      | 6.1       | 9.9       |
| Year . . .      | ?     | ?        | ?         | ?         | ?      | ?                             | ?        | ?         | ?         | 73.4  | 69.5     | 74.7      | 75.9      | 6.4    | 6.0                           | 3.7      | 5.9       | 7.0       |

\* Mean of 30 days.

† " " 29 "

‡ Mean of 28 days.



TABLE-X.—TEMPERATURE OF EVAPORATION IN 1886.

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## 118. THAYETMYO.

## 119. TOUNGOO.

| MONTH.          | Mean. | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              |
|-----------------|-------|---------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|-------|----------|-----------|-----------|--------|----------------------------------|---------------|--------------|--------------|
|                 |       |               |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |       |          |           |           |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |
| January . . .   | 62.8  | 53.2          | 66.2         | 69.0         | 15.8   | 5.7                              | 0.7           | 7.1          | 14.1         | 63.6  | 55.1     | 66.0      | 69.8      | 14.7   | 5.7                              | 2.4           | 5.6          | 11.3         |
| February . . .  | 63.6  | 53.5          | 67.0         | 70.2         | 16.7   | 9.4                              | 1.7           | 10.6         | 20.5         | 65.6  | 57.2     | 68.7      | 71.0      | 13.8   | 7.4                              | 3.2           | 7.2          | 14.5         |
| March . . .     | 69.8  | 62.5          | 73.0         | 74.0         | 11.5   | 12.5                             | 4.2           | 15.9         | 23.9         | 72.1  | 64.2     | 75.1      | 77.1      | 12.9   | 10.2                             | 5.7           | 10.3         | 17.6         |
| April . . .     | 74.9  | 68.1          | 77.8         | 78.8         | 10.7   | 12.6                             | 5.7           | 15.0         | 22.4         | 74.0  | 68.6     | 77.1      | 76.4      | 7.8    | 12.8                             | 6.6           | 11.6         | 22.0         |
| May . . .       | 78.4  | 75.0          | 80.0         | 80.3         | 5.3    | 8.0                              | 3.7           | 12.3         | 13.7         | 77.2  | 73.2     | 79.4      | 78.9      | 5.7    | 6.1                              | 3.8           | 7.4          | 20.7         |
| June . . .      | 78.2  | 75.2          | 79.9         | 79.4         | 4.2    | 2.3                              | 1.3           | 5.2          | 5.1          | 76.9  | 73.1     | 78.6      | 79.0      | 5.9    | 2.6                              | 2.8           | 3.5          | 4.0          |
| July . . .      | 77.9  | 74.8          | 79.8         | 79.1         | 4.3    | 2.3                              | 1.4           | 5.5          | 5.1          | 76.1  | 72.5     | 78.1      | 77.8      | 5.3    | 2.1                              | 2.7           | 2.8          | 3.4          |
| August . . .    | 77.6  | 75.0          | 79.5         | 78.4         | 3.4    | 1.7                              | 1.1           | 4.2          | 4.1          | 76.2  | 72.3     | 78.2      | 78.0      | 5.7    | 2.0                              | 2.7           | 2.6          | 3.3          |
| September . . . | 77.7  | 74.8          | 79.1         | 79.1         | 4.3    | 3.5                              | 1.1           | 5.9          | 7.3          | 77.2  | 73.2     | 79.1      | 79.2      | 6.0    | 2.9                              | 3.0           | 3.4          | 4.8          |
| October . . .   | 78.5  | 73.5          | 80.3         | 81.7         | 8.2    | 2.9                              | 1.2           | 4.7          | 6.3          | 76.7  | 71.7     | 79.0      | 79.5      | 7.8    | 3.9                              | 3.5           | 3.9          | 6.4          |
| November . . .  | 71.9  | 66.4          | 73.6         | 75.6         | 9.2    | 2.7                              | 1.0           | 4.3          | 6.1          | 71.8  | 66.6     | 73.5      | 75.3      | 8.7    | 3.9                              | 3.4           | 3.2          | 6.1          |
| December . . .  | 65.3  | 56.3          | 68.4         | 71.1         | 14.8   | 4.3                              | 1.0           | 6.1          | 10.8         | 65.8  | 58.2     | 68.2      | 71.1      | 12.9   | 5.2                              | 3.6           | 4.3          | 9.1          |
| Year . . .      | 73.1  | 67.4          | 75.4         | 76.4         | 9.0    | 5.7                              | 2.0           | 8.1          | 11.6         | 72.8  | 67.2     | 76.8      | 76.1      | 8.9    | 5.4                              | 3.6           | 5.5          | 9.4          |

## 120. BASSEIN.

## 121. DIAMOND ISLAND.

| MONTH.          | Mean. | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              | Mean.      | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              |
|-----------------|-------|---------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|------------|----------|-----------|-----------|--------|----------------------------------|---------------|--------------|--------------|
|                 |       |               |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |            |          |           |           |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |
| January . . .   | 66.2  | 60.7          | 68.1         | 69.8         | 9.1    | 5.7                              | 1.2           | 8.3          | 12.0         | 69.9       | 67.6*    | 70.9*     | 71.3*     | 3.7    | 4.9                              | 2.6           | 6.5          | 8.1          |
| February . . .  | 67.9  | 63.1          | 70.2         | 70.3         | 7.2    | 6.5                              | 1.2           | 8.3          | 14.1         | 70.8       | 68.9     | 71.7      | 71.9†     | 3.0    | 4.8                              | 2.1           | 6.8          | 8.2          |
| March . . .     | 72.3  | 68.8          | 73.7         | 74.5         | 5.7    | 7.7                              | 1.3           | 10.7         | 15.4         | 73.4       | 72.0     | 74.4      | 73.7*     | 1.7    | 5.0                              | 2.2           | 7.2          | 8.9          |
| April . . .     | 75.7  | 73.1          | 77.0         | 77.1         | 4.0    | 7.4                              | 1.5           | 11.6         | 14.5         | 76.7       | 75.3     | 77.3      | 77.6      | 2.3    | 4.4                              | 1.9           | 7.4          | 7.4          |
| May . . .       | 77.7  | 75.8          | 78.9         | 78.4         | 2.6    | 4.0                              | 1.4           | 7.4          | 7.8          | Imperfect. |          |           |           |        |                                  |               |              |              |
| June . . .      | 77.3  | 75.5          | 78.6         | 77.9         | 2.4    | 1.4                              | 0.9           | 3.6          | 3.1          | 76.1       | 72.4     | 78.0      | 77.8      | 5.4    | 2.0                              | 2.0           | 3.3          | 3.9          |
| July . . .      | 77.0  | 75.1*         | 78.5         | 77.4         | 2.3    | 1.1                              | 0.8           | 3.6          | 2.8          | 76.1       | 72.5     | 78.1      | 77.7      | 5.2    | 1.4                              | 1.0           | 3.8          | 3.8          |
| August . . .    | 76.7  | 75.1          | 77.6         | 77.5         | 2.4    | 1.6                              | 0.8           | 3.4          | 3.1          | 76.4       | 74.2     | 77.4      | 77.5      | 3.3    | 1.8                              | 0.8           | 3.7          | 3.8          |
| September . . . | 77.0  | 75.1          | 78.4         | 77.5         | 2.4    | 1.5                              | 0.8           | 3.8          | 3.6          | 76.7       | 74.8     | 77.9      | 77.3      | 2.5    | 1.6                              | 0.6           | 4.0          | 3.9          |
| October . . .   | 76.8  | 74.0          | 78.4         | 78.0         | 4.0    | 2.2                              | 0.7           | 4.6          | 5.2          | 77.0       | 75.2*    | 78.3*     | 77.5*     | 2.3    | 2.4                              | 0.7           | 5.0          | 5.4          |
| November . . .  | 73.2  | 70.4          | 74.3         | 74.8         | 4.4    | 3.3                              | 0.9           | 5.3          | 6.8          | 74.1       | 72.3     | 74.9      | 75.0      | 2.7    | 3.2                              | 1.0           | 4.7          | 6.2          |
| December . . .  | 68.5  | 64.0          | 70.0         | 71.4         | 7.4    | 4.7                              | 0.9           | 7.3          | 10.1         | 70.3       | 68.5     | 71.2      | 71.3      | 2.8    | 5.2                              | 2.3           | 6.7          | 8.8          |
| Year . . .      | 73.9  | 70.9          | 75.3         | 75.4         | 4.5    | 3.9                              | 1.0           | 6.5          | 8.2          | ?          | ?        | ?         | ?         | ?      | ?                                | ?             | ?            | ?            |

\* Mean of 30 days.

† Mean of 27 days.

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TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

## 122. RANGOON.

## 123. MOULMEIN.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . .   | 66.9  | 60.7     | 69.4      | 70.7      | 10.0   | 7.6                           | 2.9      | 6.7       | 14.5      | 67.3  | 61.8     | 69.1      | 70.9      | 9.1    | 7.0                           | 1.6      | 7.8       | 14.2      |
| February . . .  | 68.3  | 62.7     | 71.0      | 71.1      | 8.4    | 8.2                           | 2.5      | 7.0       | 16.7      | 70.3  | 65.3     | 73.0      | 72.6      | 7.3    | 7.5                           | 1.5      | 8.6       | 16.2      |
| March . . .     | 73.3  | 67.9     | 74.7      | 77.2      | 9.3    | 8.1                           | 2.7      | 9.0       | 15.0      | 74.4  | 70.0     | 76.5      | 76.6      | 6.6    | 7.5                           | 2.2      | 10.2      | 15.0      |
| April . . .     | 75.6  | 72.1     | 76.4      | 78.3      | 6.2    | 9.3                           | 2.7      | 10.5      | 16.6      | 76.3  | 73.1     | 78.1      | 77.6      | 4.5    | 8.0                           | 2.9      | 11.8      | 15.0      |
| May . . .       | 77.8  | 75.4     | 79.2      | 78.8      | 3.4    | 3.9                           | 2.1      | 5.8       | 7.1       | 77.4  | 74.5     | 78.6      | 79.1      | 4.6    | 3.7                           | 1.0      | 4.7       | 7.5       |
| June . . .      | 77.3  | 75.2     | 78.7      | 77.9      | 2.7    | 1.6                           | 1.6      | 2.4       | 3.1       | 76.3  | 73.7     | 77.7      | 77.6      | 3.9    | 1.5                           | 0.7      | 3.1       | 3.6       |
| July . . .      | 77.0  | 74.7     | 78.9      | 77.4      | 2.7    | 1.5                           | 1.6      | 2.8       | 3.3       | 75.9  | 73.1     | 77.3      | 77.2      | 4.1    | 1.5                           | 0.8      | 2.4       | 3.7       |
| August . . .    | 76.8  | 74.8     | 78.1      | 77.4      | 2.6    | 1.3                           | 1.4      | 2.4       | 2.6       | 76.1  | 73.4     | 77.2      | 77.6      | 4.2    | 1.4                           | 0.8      | 2.4       | 3.2       |
| September . . . | 77.2  | 75.1     | 78.9      | 77.6      | 2.5    | 1.9                           | 1.7      | 2.8       | 3.8       | 76.6  | 73.8     | 77.8      | 78.2      | 4.4    | 2.2                           | 0.8      | 3.7       | 4.8       |
| October . . .   | 77.4  | 74.4     | 78.9      | 78.9      | 4.5    | 3.2                           | 1.5      | 3.3       | 6.4       | 77.3  | 73.9     | 78.8      | 79.2      | 5.3    | 3.2                           | 0.9      | 5.2       | 6.9       |
| November . . .  | 73.1  | 70.0     | 74.4      | 74.9      | 4.9    | 4.6                           | 3.1      | 5.1       | 7.3       | 72.2  | 68.1     | 73.9      | 74.6      | 6.5    | 5.4                           | 2.1      | 8.5       | 10.4      |
| December . . .  | 68.3  | 62.7     | 71.1      | 71.1      | 8.4    | 5.5                           | 2.7      | 6.6       | 11.0      | 66.1  | 61.1*    | 68.2      | 69.1      | 8.0    | 7.0                           | 1.6      | 10.4      | 14.3      |
| Year . . .      | 74.1  | 70.5     | 75.8      | 75.9      | 5.5    | 4.7                           | 2.2      | 5.4       | 9.0       | 73.9  | 70.2     | 75.5      | 75.9      | 5.7    | 4.7                           | 1.4      | 6.6       | 9.6       |

\* Mean of 30 days.

## 124. MERGÜI.

## 125. COCOS ISLAND.

| MONTH.          | Mean. | Mini-<br>mum. | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              | Mean. | Minimum.                        | 10<br>hours. | 16<br>hours. | Range. | DIFFERENCE, DRY AND WET<br>BULB. |               |              |              |     |
|-----------------|-------|---------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|-------|---------------------------------|--------------|--------------|--------|----------------------------------|---------------|--------------|--------------|-----|
|                 |       |               |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |       |                                 |              |              |        | Mean.                            | Mini-<br>mum. | 10<br>hours. | 16<br>hours. |     |
| January . . .   | 70.6  | 63.9          | 73.0         | 75.0         | 11.1   | 4.9                              | 2.1           | 8.7          | 10.0         | }     | Observatory opened in May 1886. |              |              |        |                                  |               |              |              |     |
| February . . .  | 75.8  | 70.8          | 77.1         | 79.5         | 8.7    | 3.9                              | 1.5           | 7.0          | 7.5          |       |                                 |              |              |        |                                  |               |              |              |     |
| March . . .     | 77.9  | 71.3          | 79.8         | 82.5         | 11.2   | 3.2                              | 1.4           | 5.9          | 7.0          |       |                                 |              |              |        |                                  |               |              |              |     |
| April . . .     | 78.5  | 72.5          | 81.1         | 82.0         | 9.5    | 3.5                              | 1.6           | 7.9          | 7.9          |       |                                 |              |              |        |                                  |               |              |              |     |
| May . . .       | 76.6  | 72.1          | 79.3         | 78.3         | 6.2    | 1.9                              | 1.5           | 5.9          | 5.1          |       |                                 |              |              |        |                                  |               |              |              |     |
| June . . .      | 75.3  | 71.7          | 77.3         | 77.0         | 5.3    | 1.4                              | 1.4           | 3.6          | 3.3          | }     | Untrustworthy.                  |              |              |        |                                  |               |              |              |     |
| July . . .      | 75.2  | 71.6          | 76.8         | 77.3         | 5.7    | 1.8                              | 1.3           | 3.2          | 3.8          |       | 77.9                            | 76.8*        | 78.3*        | 78.6*  | 1.8                              | 2.0           | 2.0          | 2.2          | 2.4 |
| August . . .    | 75.2  | 71.6          | 77.1         | 76.9         | 5.3    | 1.6                              | 1.3           | 4.3          | 3.8          |       | 77.9                            | 77.0         | 78.2         | 78.5   | 1.5                              | 2.2           | 2.1          | 2.4          | 2.6 |
| September . . . | 74.8  | 71.3          | 76.6         | 76.5         | 5.2    | 1.5                              | 1.3           | 3.3          | 3.5          |       | 77.7                            | 76.7         | 78.0         | 78.5   | 1.8                              | 2.2           | 2.0          | 2.4          | 2.5 |
| October . . .   | 75.2  | 71.6          | 77.3         | 76.8         | 5.2    | 1.3                              | 1.3           | 3.7          | 3.3          |       | 78.6                            | 77.9         | 78.8         | 79.2†  | 1.3                              | 2.9           | 2.4          | 3.2          | 3.5 |
| November . . .  | 73.5  | 68.6          | 75.3         | 76.6         | 8.0    | 2.6                              | 1.6           | 6.3          | 5.4          | 76.5  | 75.9                            | 76.8         | 76.8         | 0.9    | 3.1                              | 2.8           | 3.3          | 3.6          |     |
| December . . .  | 68.4  | 60.8          | 70.9         | 73.4         | 12.6   | 3.9                              | 1.5           | 8.1          | 8.9          | 74.1  | 73.7                            | 74.0         | 74.5         | 0.8    | 5.1                              | 4.5           | 5.6          | 5.6          |     |
| Year . . .      | 74.6  | 69.8          | 76.8         | 77.7         | 7.8    | 2.6                              | 1.5           | 5.7          | 5.8          | ?     | ?                               | ?            | ?            | ?      | ?                                | ?             | ?            | ?            |     |

\* Mean of 27 days.

† " " 30 "

TABLE X.—TEMPERATURE OF EVAPORATION IN 1886.

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126. PORT BLAIR.

127. NANCOWRY.

| MONTH.          | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           | Mean. | Minimum. | 10 hours. | 16 hours. | Range. | DIFFERENCE, DRY AND WET BULB. |          |           |           |
|-----------------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|-------|----------|-----------|-----------|--------|-------------------------------|----------|-----------|-----------|
|                 |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |       |          |           |           |        | Mean.                         | Minimum. | 10 hours. | 16 hours. |
| January . . .   | 74.4  | 71.4     | 75.6      | 76.2      | 4.8    | 5.5                           | 4.0      | 6.1       | 8.2       | 75.4  | 73.4     | 76.6      | 76.2      | 2.8    | 4.4                           | 3.5      | 6.6       | 6.5       |
| February . . .  | 76.0  | 72.1     | 77.4      | 78.5      | 6.4    | 4.2                           | 2.7      | 5.3       | 7.1       | 76.5  | 74.6     | 77.6      | 77.4      | 2.8    | 4.5                           | 3.2      | 7.2       | 6.8       |
| March . . .     | 78.1  | 73.8     | 79.1      | 81.3      | 7.5    | 4.6                           | 2.9      | 5.8       | 7.3       | 77.2  | 75.3     | 78.2      | 78.0      | 2.7    | 5.3                           | 3.7      | 8.4       | 8.0       |
| April . . .     | 79.8  | 76.1     | 80.9      | 82.3      | 6.2    | 4.7                           | 2.5      | 5.8       | 8.1       | 78.8  | 76.6     | 79.8      | 79.9      | 3.3    | 4.7                           | 2.6      | 8.6       | 7.9       |
| May . . .       | 79.3  | 75.8     | 81.3      | 80.9      | 5.1    | 2.7                           | 2.9      | 3.6       | 4.3       | 78.3  | 75.9     | 80.8      | 78.2      | 2.3    | 3.1                           | 2.1      | 4.9       | 6.6       |
| June . . .      | 78.0  | 75.3     | 79.5      | 79.3      | 4.0    | 2.2                           | 2.2      | 3.3       | 3.5       | 78.0  | 74.7     | 80.1      | 79.3      | 4.6    | 2.5                           | 2.3      | 5.0       | 4.7       |
| July . . .      | 77.7  | 74.4     | 79.2      | 79.6      | 5.2    | 2.0                           | 1.9      | 2.6       | 3.5       | 78.0  | 74.5     | 80.3      | 79.2      | 4.7    | 2.4                           | 2.2      | 5.0       | 4.8       |
| August . . .    | 77.7  | 74.7     | 79.2      | 79.2      | 4.5    | 2.3                           | 2.4      | 3.2       | 3.7       | 77.2  | 73.9     | 79.4      | 78.3      | 4.4    | 3.0                           | 2.6      | 5.4       | 5.6       |
| September . . . | 77.8  | 75.3     | 79.1      | 79.1      | 3.8    | 2.2                           | 1.8      | 3.5       | 3.8       | 76.6  | 73.3*    | 78.9*     | 77.5*     | 4.2    | 2.6                           | 2.5      | 5.0       | 5.0       |
| October . . .   | 77.6  | 74.5     | 79.0      | 79.3      | 4.8    | 1.9                           | 1.7      | 3.1       | 3.5       | 76.5  | 73.7     | 78.5      | 77.4      | 3.7    | 2.5                           | 1.9      | 4.8       | 4.9       |
| November . . .  | 76.6  | 73.9     | 77.9      | 78.0      | 4.1    | 2.7                           | 2.6      | 3.6       | 4.1       | 75.8  | 73.3     | 77.5      | 76.6      | 3.3    | 2.4                           | 1.9      | 4.8       | 4.6       |
| December . . .  | 74.6  | 72.7     | 75.3      | 75.7      | 3.0    | 4.0                           | 2.5      | 6.4       | 6.3       | 73.5  | 71.5     | 74.9      | 74.2      | 2.7    | 4.4                           | 3.5      | 6.9       | 6.6       |
| Year . . .      | 77.3  | 74.2     | 78.6      | 79.1      | 5.0    | 3.3                           | 2.5      | 4.4       | 5.3       | 76.8  | 74.2     | 78.6      | 77.7      | 3.5    | 3.5                           | 2.7      | 6.1       | 6.0       |

\* Mean of 29 days.

TABLE XI.—TENSION OF ATMOSPHERIC VAPOUR IN 1886. (134 STATIONS).

1. ADEN.

2. BUSHIRE.

3. AMINI DIVI.

4. QUETTA.

5. LEH.

| MONTH.     | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours.  | From Minima. | Mean.         | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | 22 hours. | From Minima. |
|------------|-------|-----------|-----------|--------------|-------|-----------|------------|--------------|---------------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|-----------|--------------|
| January .  | '680  | '712      | '676      | '651         | '364  | '389      | '378       | '325         | '821          | '804      | '795      | '793         | '169  | '175      | '188      | '153         | '083  | '065      | '077      | '104      | '085         |
| February . | '674  | '709*     | '662†     | '650*        | '396  | '409      | '413       | '365         | '808          | '819      | '835      | '772         | '171  | '174      | '180      | '159         | '089  | '066      | '087      | '110      | '091         |
| March .    | '732  | '777‡     | '716‡     | '703§        | '408  | '434§     | '438††     | '351         | '802          | '788      | '803      | '820         | '214  | '223      | '220      | '198         | '113  | '103      | '106      | '123      | '120         |
| April .    | '782  | '838‡     | '782‡     | '725‡        | '531  | '597      | '595       | '400         | Not received. |           |           |              | '243  | '251      | '243      | '236         | '107  | '110      | '109      | '097      | '110         |
| May .      | '869  | '913      | '929      | '766         | '787  | '823      | '834       | '703         | Imperfect.    |           |           |              | '346  | '373      | '370      | '296         | '110  | '127      | '103      | '093      | '116         |
| June .     | ?     | '970**    | '869**    | Imperfect.   | '961  | '1018     | '1037      | '827         | '936          | '972      | '963      | '878         | '465  | '507      | '545      | '344         | '167  | '162      | '175      | '160      | '172         |
| July .     | '851  | '934††    | '844      | '776††       | ?     | '1051††   | Imperfect. | '925         | '893          | '926      | '922      | '840         | '586  | '598      | '608      | '552         | '227  | '210      | '243      | '228      | '225         |
| August .   | '758  | '819††    | '743      | '712         | '1030 | '1097††   | '1115††    | '878††       | '877          | '912      | '907      | '877         | '462  | '476      | '484      | '425         | '245  | '223      | '257      | '251      | '259         |
| September  | '843  | '924      | '853      | '751         | '939  | '994      | '1063      | '759         | '879          | '922      | '908      | '815         | '313  | '330      | '336      | '274         | '129  | '130      | '144      | '122      | '121         |
| October .  | '801  | '813††    | '793      | '796††       | '645  | '642      | '763       | '529         | '877          | '913      | '907      | '818         | '221  | '237      | '256      | '171         | '093  | '105      | '095      | '068      | '105         |
| November   | '671  | '713      | '664      | '635         | '478  | '465      | '573       | '397         | '831          | '857      | '873      | '770         | '171  | '179      | '188      | '146         | '072  | '067      | '069      | '071      | '079         |
| December   | '620  | '643      | '613††    | '605         | '358  | '360      | '384       | '330         | '776          | '806      | '802      | '729         | '162  | '173      | '174      | '138         | '073  | '056      | '070      | '090      | '077         |
| Year .     | ?     | '814      | '762      | ?            | ?     | '690      | ?          | '566         | ?             | ?         | ?         | ?            | '294  | '308      | '315      | '258         | '126  | '119      | '128      | '126      | '129         |

\* Mean of 26 days.

† Mean of 23 days.

† " " 25 "

\*\* " " 20 "

‡ " " 28 "

†† " " 29 "

§ " " 27 "

‡‡ " " 30 "

|| " " 24 "

6. MOOLTAN.

7. D. I. KHAN.

8. PESHAWAR.

9. MURREE.

10. RAWALPINDI.

| MONTH.     | Mean. | 10 hours.                      | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima.             |
|------------|-------|--------------------------------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------------------|
| January .  | '278  | '291                           | '294      | '250         | '237  | '275      | '285      | '151         | '254  | '267      | '266      | '228         | '153  | '151      | '173      | '136*        | '281  | '294      | '302      | '247                     |
| February . | '251  | '238                           | '287      | '227         | '182  | '220      | '211      | '115         | '222  | '230      | '219      | '217         | '148  | '150      | '163      | '131         | '251  | '273      | '248      | '232                     |
| March .    | '413  | '403                           | '461      | '376         | '351  | '398      | '394      | '262         | '359  | '373      | '367      | '337         | '200  | '201      | '227      | '173†        | '350  | '370      | '348      | '331                     |
| April .    | '431  | '407                           | '446      | '440         | '357  | '404      | '377      | '290         | '429  | '459      | '447      | '381         | '214  | '207      | '236†     | '198         | '376  | '386      | '360      | '382                     |
| May .      | '584  | '576                           | '513      | '662         | '455  | '566      | '514      | '285         | '405  | '415      | '405      | '395         | '266  | '290      | '283      | '226         | '412  | '415      | '417      | '403                     |
| June .     | '760  | '740                           | '731      | '808         | '600  | '678      | '632      | '490         | '539  | '578      | '530      | '509         | '338  | '366      | '341      | '306         | '570  | '592†     | '607†     | '512§                    |
| July .     | '886  | '887                           | '877      | '894         | '851  | '930      | '909      | '713         | '844  | '902      | '826      | '804         | '595  | '625      | '637      | '522         | ?     | '836      | '824      | Shade min. not recorded. |
| August .   | '839  | '858                           | '827      | '833         | '820  | '908      | '888      | '663         | '790  | '851      | '754      | '765         | '574  | '594      | '646      | '482         | '828  | '859      | '852      | '774                     |
| September  | '728  | '757                           | '700      | '726         | '617  | '699      | '674      | '478         | '587  | '628      | '574      | '560         | '404  | '429      | '445      | '338         | '574  | '596      | '556      | '570                     |
| October .  | '418  | '434                           | '403      | '418         | '364  | '438      | '420      | '233         | '415  | '446      | '435      | '363         | '253  | '267      | '273      | '219†        | '377  | '413      | '351      | '366                     |
| November   | '357  | '361                           | '361      | '348         | '279  | '332      | '339      | '166         | '308  | '342      | '354      | '227         | '160  | '163      | '182      | '135         | '238  | '265      | '235      | '215                     |
| December   | ?     | Wet bulb hygrometer imperfect. | ?         | '249         | '211  | '248      | '269      | '117         | '244  | '271      | '261      | '201         | '138  | '132      | '154      | '128         | '238  | '258      | '249      | '208                     |
| Year .     | ?     | ?                              | ?         | '519         | '444  | '508      | '493      | '330         | '450  | '480      | '453      | '416         | '287  | '298      | '313      | '250         | ?     | '463      | '446      | ?                        |

\* Mean of 26 days.

† " " 29 "

‡ " " 30 "

§ Mean of 27 days.

|| " " 22 "

TABLE XI.—TENSION OF ATMOSPHERIC VAPOUR N 1886.

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## 11. SIALKOT.

12A. LAHORE (*New.*)12B. LAHORE (*Old.*)

## 13. LUDHIANA.

| MONTH.     | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|------------|-------|-----------|-----------|--------------|-------|----------|-----------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January .  | '334  | '347      | '375      | '280*        | '322  | '295     | '334      | '327      | '331      | '284         | '316  | '326      | '337      | '284         | '349  | '362      | '380      | '306         |
| February . | '296  | '320      | '306      | '262         | '247  | '245     | '252      | '199      | '268      | '249         | '244  | '260      | '239      | '234         | '274  | '292      | '256      | '275         |
| March .    | '443  | '470      | '465      | '394         | '410  | '395     | '432      | '387      | '428      | '386         | '373  | '434      | '402      | '284         | '425  | '438      | '418      | '420         |
| April .    | '401  | '429      | '396      | '378         | '377  | '373     | '408      | '326      | '401      | '367         | '381  | '410      | '343      | '391         | '348  | '333      | '296      | '416         |
| May .      | '513  | '541      | '508      | '489         | '453  | '469     | '466      | '388      | '490      | '460         | '501  | '534      | '482      | '488         | '507  | '511      | '473      | '536         |
| June .     | '666  | '711      | '699      | '588         | '653  | '664     | '650      | '614      | '682      | '631         | '694  | '714      | '689      | '680         | '580  | '625†     | '542†     | '572         |
| July .     | '934  | '960      | '959      | '882         | '942  | '932     | '922      | '931      | '983      | '888         | '943  | '954      | '976      | '898         | '896  | '943      | '950      | '795         |
| August .   | '916  | '939      | '944      | '865         | '901  | '912     | '884      | '874      | '933      | '847         | '897  | '918      | '898      | '875         | '885  | '929      | '927      | '799         |
| September  | '733  | '763      | '713      | '724         | '688  | '704     | '695      | '643      | '711      | '682         | '721  | '749      | '701      | '713         | '719  | '743      | '725      | '690         |
| October .  | '523  | '558      | '511      | '501         | '494  | '479     | '509      | '495      | '513      | '466         | '517  | '550      | '526      | '476         | '541  | '570      | '548      | '505         |
| November   | '356  | '363      | '385      | '321         | '359  | '324     | '378      | '373      | '361      | '302         | '391  | '404      | '437      | '331         | '346  | '372      | '349      | '316         |
| December   | '311  | '324      | '354      | '255         | '261  | '244     | '271      | '264      | '264      | '234         | '291  | '300      | '330      | '243         | '273  | '300      | '273      | '247         |
| Year .     | '536  | '560      | '551      | '495         | '508  | '503     | '517      | '483      | '530      | '483         | '522  | '546      | '530      | '491         | '512  | '535      | '511      | '490         |

\* Mean of 30 days.

† Mean of 27 days.

## 14. CHAMBA.

## 15. KAILANG.

## 16. SIMLA.

## 17. DELHI.

## 18. SIRSA.

| MONTH.     | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 70 hours. | 16 hours. | From Minima.                | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|------------|-------|----------|-----------|-----------|-----------|--------------|-------|-----------|-----------|-----------------------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January .  | '242  | '231*    | '239      | '255      | '242      | '223         | ...   | '099      | '103      | Shade minimum not recorded. | '160  | '149      | '192      | '138         | '324  | '346      | '314      | '311         | '296  | '339†     | '324†     | '224         |
| February . | '226  | '216     | '224      | '237      | '225      | '207         | ...   | '104      | '101      |                             | '151  | '141      | '175      | '137         | '253  | '254      | '254      | '251         | '230  | '262§     | '231§     | '197         |
| March .    | '303  | '291     | '308      | '307      | '307      | '292         | ...   | '130      | '138      |                             | '203  | '198      | '226      | '185         | '396  | '405      | '359      | '424         | '367  | '408      | '366      | '327         |
| April .    | '301  | '296     | '321      | '279      | '308      | '310         | ...   | '146      | '164      |                             | '193  | '187      | '191      | '201         | '363  | '359      | '343      | '388         | '358  | '389      | '372      | '314         |
| May .      | '402  | '381     | '418      | '412      | '403      | '386         | ...   | '170      | '161      |                             | '310  | '308      | '333      | '289         | '507  | '500      | '470      | '550         | '488  | '506      | '508      | '450         |
| June .     | '480  | '470     | '496      | '466      | '487      | '475         | ...   | '226      | '197      |                             | '398  | '398*     | '430      | '367*        | '695  | '703      | '647      | '734         | '650  | '676      | '631      | '642         |
| July .     | '767  | '744     | '770      | '784      | '770      | '731         | ...   | '390      | '339      |                             | '564  | '579      | '613      | '499         | '935  | '943      | '946      | '917         | '888  | '906      | '883      | '875         |
| August .   | '731  | '696     | '744      | '763      | '722      | '680         | ..    | '380      | '324      |                             | '341  | '561†     | '589      | '472†        | '887  | '898      | '882      | '881         | '804  | '826      | '769      | '818         |
| September  | '562  | '515     | '540      | '641      | '550      | '499         | ...   | '216      | '195      |                             | '415  | '426      | '461      | '358         | '704  | '700      | '713      | '698         | '656  | '728      | '645      | '595         |
| October .  | '366  | '340     | '366      | '407      | '352      | '343         | ...   | '135      | '119      |                             | '274  | '271      | '321      | '230         | '554  | '561      | '538      | '562         | '428  | '484      | '393      | '406         |
| November   | '249  | '220     | '238      | '304      | '235      | '225         | ...   | '066      | '063      |                             | '169  | '155      | '199      | '153         | '334  | '343      | '315      | '344         | '280  | '316      | '289      | '234         |
| December   | '193  | '175     | '203      | '206      | '186      | '185         | ...   | '095      | '147      |                             | '149  | '135      | '181      | '130         | '283  | '291      | '288      | '270         | '208  | '235      | '196      | '192         |
| Year .     | '402  | '381     | '405      | '422      | '399      | '380         | ...   | '180      | '171      |                             | '294  | '292      | '326      | '263         | '520  | '525      | '506      | '528         | '471  | '506      | '467      | '440         |

\* Mean of 29 days.

† Mean of 30 days.

‡ Mean of 23 days.

§ Mean of 21 days.

TABLE XI.—TENSION OF ATMOSPHERIC VAPOUR IN 1886.

## 19. CHAKRATA.

## 20A. DEHRA.

20B. DEHRA  
(Forest School).

## 21. MUSSOOREE.

## 22. ROORKEE.

| MONTH.      | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 9-30 hours. | 15-30 hours. | From Minima.               | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|-------------|-------|-----------|-----------|--------------|-------|-------------|--------------|----------------------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January .   | '164  | '170      | '191      | '132†        | ...   | '302        | '313         | Shade Minima not recorded. | '296  | '319      | '315      | '253         | ...   | ...       | ...       | ...          | '335  | '375      | '359      | '271         |
| February .  | '163  | '180      | '171      | '139         | ...   | '293        | '285         |                            | '257  | '272      | '257      | '243         | ...   | ...       | ...       | ...          | '267  | '306      | '254      | '240         |
| March .     | '215  | '224      | '229      | '191         | ...   | '393        | '388         |                            | '362  | '378      | '366      | '342         | ...   | ...       | ...       | ...          | '367  | '406      | '368      | '326         |
| April .     | '175  | '191      | '181      | '154         | ...   | '342        | '307         |                            | '341  | '368      | '317      | '339         | ...   | ...       | ...       | ...          | '267  | '294      | '238      | '268         |
| May .       | '324  | '336      | '343      | '293         | ...   | '507        | '471         |                            | '476  | '494      | '451      | '482         | ...   | ...       | ...       | ...          | '486  | '535      | '481      | '441         |
| June *      | '413  | '419      | '428      | '393         | ...   | '664        | '647         |                            | '617  | '628      | '617      | '607         | ...   | ...       | ...       | ...          | '639  | '672      | '648      | '596         |
| July .      | '563  | '576      | '597*     | '517         | ...   | '869        | '912         |                            | '836  | '861      | '867      | '780         | ...   | ...       | ...       | ...          | '922  | '934      | '956      | '877         |
| August .    | '544  | '560      | '580†     | '493         | ...   | '843        | '871         |                            | '805  | '826      | '850      | '740         | ...   | ...       | ...       | ...          | '899  | '932      | '925      | '840         |
| September . | '455  | '462      | '530      | '373         | ...   | '771        | '795         |                            | '710  | '739      | '754      | '638         | ...   | ...       | ...       | ...          | '802  | '840      | '809      | '758         |
| October .   | '312  | '315      | '325      | '297         | ...   | '534        | '548         |                            | '498  | '519      | '528      | '446         | ...   | ...       | ...       | ...          | '518  | '546      | '490      | '518         |
| November .  | '216  | '211      | '233      | '204         | ...   | '383        | '389         |                            | '330  | '349      | '343      | '299         | ...   | ...       | ...       | ...          | '354  | '376      | '354      | '333         |
| December .  | '148  | '140      | '164      | '140         | ...   | '288        | '302         |                            | '271  | '289      | '291      | '232         | '179  | '161      | '185      | '137         | '288  | '305      | '291      | '268         |
| Year .      | '308  | '315      | '331      | '277         | ...   | '516        | '519         |                            | '483  | '504      | '496      | '450         | ...   | ...       | ...       | ...          | '512  | '543      | '514      | '478         |

\* Mean of 28 days.

† " " 30 "

## 23. RANIKHET.

## 24. PITHORAGARH.

## 25. MEERUT.

## 26. BAREILLY.

## 27. AGRA.

| MONTH.      | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|-------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January .   | '201  | '226      | '227      | '151         | '237  | '266      | '233      | '211         | '327  | '345      | '326      | '310         | '362  | '378      | '394      | '315         | '332  | '343      | '345      | '308         |
| February .  | '194  | '212      | '224      | '146         | '208  | '239      | '184      | '200         | '240  | '242      | '216      | '262         | '302  | '319      | '303      | '283         | '226  | '238      | '223      | '216         |
| March .     | '267  | '295      | '301      | '205         | '284  | '316      | '271      | '264         | '374  | '399      | '338      | '386         | '491  | '515      | '503      | '455         | '382  | '406      | '354      | '387         |
| April .     | '241  | '263      | '279      | '182         | '271  | '305      | '261      | '247         | '306  | '304      | '254      | '360         | '405  | '418      | '387      | '410         | '328  | '354      | '307      | '324         |
| May .       | '382  | '420      | '425      | '302         | '414  | '456      | '406      | '379         | '543  | '575      | '496      | '558         | '591  | '612      | '582      | '578         | '501  | '523      | '448      | '533         |
| June .      | '467  | '490      | '505      | '406         | '537  | '571      | '547      | '492         | '727  | '740      | '704      | '736         | '773  | '774      | '789      | '757         | '727  | '762      | '714      | '706         |
| July .      | '602  | '627      | '644      | '536         | '667  | '682      | '713      | '605         | '953  | '964      | '976      | '919         | '983  | '1'010    | '1'029    | '911         | '955  | '988      | '976      | '901         |
| August .    | '568  | '592      | '603      | '509         | '637  | '658      | '663      | '589         | '903  | '911      | '910      | '888*        | '924  | '930      | '934      | '907         | '936  | '968      | '959      | '880         |
| September . | '509  | '528      | '545      | '453         | '575  | '609      | '587      | '529         | '747  | '755      | '752      | '733†        | '852  | '875      | '872      | '809         | '780  | '789      | '857      | '694         |
| October .   | '346  | '387      | '376      | '275         | '407  | '454      | '389      | '378         | '556  | '569      | '567      | '533         | '633  | '666      | '613      | '621         | '612  | '647      | '613      | '575         |
| November .  | '264  | '291      | '290      | '212         | '303  | '343      | '297      | '270         | '353  | '365      | '379      | '315         | '445  | '468      | '495      | '371         | '366  | '386      | '385      | '328         |
| December .  | '213  | '235      | '247      | '158         | '237  | '266      | '238      | '207         | '296  | '315      | '308      | '264         | '351  | '366      | '391      | '295         | '309  | '329      | '331      | '266         |
| Year .      | '355  | '381      | '389      | '295         | '398  | '430      | '399      | '364         | '527  | '540      | '519      | '522         | '593  | '611      | '608      | '559         | '538  | '561      | '543      | '510         |

\* Mean of 30 days.

† " " 29 "

TABLE XI.—TENSION OF ATMOSPHERIC VAPOUR IN 1886.

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28. LUCKNOW.

29. GORAKHPUR.

30. JHANSI.

31. ALLAHABAD.

| MONTH.        | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | From Minima. |
|---------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|----------|-----------|-----------|-----------|--------------|
| January . .   | '341  | '372      | '383      | '267         | '387  | '426      | '410      | '326         | '316  | '331      | '297      | '320         | '362  | '330     | '380      | '355      | '382      | '319         |
| February . .  | '237  | '245      | '245      | '221         | '326  | '334      | '333      | '310         | '224  | '213      | '182      | '277         | '267  | '268     | '264      | '243      | '295      | '262         |
| March . .     | '381  | '367      | '386      | '389         | '469  | '485      | '415      | '506         | '366  | '347      | '322      | '429         | '442  | '447     | '455      | '401      | '464      | '428         |
| April . .     | '319  | '311      | '323      | '322         | '433  | '457      | '375      | '466         | '268  | '238      | '208      | '359         | '380  | '377     | '424      | '366      | '352      | '369         |
| May . .       | '591  | '607      | '578      | '588         | '689  | '735      | '655      | '678         | '455  | '432      | '422      | '512         | '591  | '642     | '612      | '496      | '613      | '622         |
| June . .      | '824  | '823      | '861      | '789*        | '853  | '905      | '802      | '851         | '706  | '705      | '672      | '741         | '724  | '760     | '731      | '666      | '742      | '721         |
| July . .      | '961  | '971      | '987      | '925         | '988  | '1015     | '1003     | '946         | '914  | '939      | '928      | '876         | '966  | '964     | '972      | '956      | '971      | '930         |
| August . .    | '939  | '951      | '951      | '915         | '974  | '987      | '1007     | '928         | '897  | '902      | '894      | '894         | '936  | '926     | '936      | '937      | '946      | '910         |
| September . . | '871  | '882      | '898      | '832         | '935  | '965      | '941      | '898         | '728  | '751      | '729      | '704         | '907  | '891     | '914      | '895      | '929      | '873         |
| October . .   | '705  | '710      | '745      | '661         | '740  | '771      | '723      | '725         | '686  | '716      | '662      | '681         | '768  | '783     | '796      | '705      | '787      | '763         |
| November . .  | '420  | '432      | '451      | '377         | '506  | '544      | '507      | '467         | '355  | '386      | '339      | '339         | '450  | '450     | '470      | '403      | '478      | '435         |
| December . .  | '353  | '376      | '389      | '295         | '432  | '449      | '467      | '380         | '285  | '295      | '278      | '282         | '387  | '362     | '393      | '382      | '409      | '348         |
| Year . .      | '579  | '587      | '600      | '548         | '644  | '673      | '637      | '623         | '517  | '521      | '494      | '535         | '598  | '600     | '612      | '567      | '614      | '582         |

\* Mean of 29 days.

32. BENARES.

33. GHAZIPUR.

34. KATMANDU.

35. SIBSAGAR.

| MONTH.        | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima.           | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|---------------|-------|-----------|-----------|--------------|-------|-----------|-----------|------------------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . .   | '335  | '361      | '332      | '311         | '343  | '397      | '328      | '304†                  | '259  | '273      | '315      | '189         | '444  | '486      | '474      | '373         |
| February . .  | '235  | '243      | '201      | '260*        | '244  | '288      | '209      | '236†                  | '246  | '263      | '282      | '194         | '434  | '460      | '443      | '399         |
| March . .     | '381  | '398      | '321      | '423         | ?     | '441      | '375      | Shade min. Im-perfect. | '315  | '326      | '337      | '282         | '537  | '571      | '554      | '487         |
| April . .     | '279  | '280      | '194      | '363         | '375  | '333      | '237      | '556†                  | '335  | '340      | '353      | '312         | '631  | '663      | '653      | '576         |
| May . .       | '557  | '590      | '462      | '618         | '651  | '649      | '557      | '746                   | '476  | '489      | '487      | '451         | '772  | '795      | '800      | '721         |
| June . .      | '718  | '734      | '675      | '744         | '795  | '820      | '717      | '848                   | '616  | '637      | '628      | '583         | '934  | '961      | '963      | '877         |
| July . .      | '943  | '972      | '953      | '905         | '946  | '971      | '956      | '911                   | '685  | '680      | '735      | '640         | '955  | '970      | '987      | '909         |
| August . .    | '918  | '938      | '929      | '888         | '932  | '957      | '938      | '901                   | '661  | '678      | '690      | '614         | '969  | '995      | '999      | '912         |
| September . . | '888  | '921      | '890      | '854         | '924  | '959†     | '903†     | '910                   | '634  | '649      | '674      | '580         | '936  | '971      | '972      | '866         |
| October . .   | '742  | '774      | '718      | '735         | '765  | '798‡     | '743§     | '755                   | '483  | '504      | '518      | '426         | '840  | '875      | '886      | '758         |
| November . .  | '455  | '480      | '447      | '437         | '467  | '509      | '420      | '473                   | '353  | '382      | '406      | '270         | '565  | '605      | '610      | '479         |
| December . .  | '371  | '393      | '382      | '337         | '400  | '436      | '403      | '360                   | '274  | '311      | '307      | '205         | '470  | '511      | '514      | '384         |
| Year . .      | '569  | '590      | '542      | '573         | ?     | '630      | '566      | ?                      | '445  | '461      | '478      | '396         | '707  | '739      | '738      | '645         |

\* Mean of 27 days.

† Mean of 28 days.

|| Mean of 29 days.

‡ " " 26 "

§ " " 27 "

TABLE XI.—TENSION OF ATMOSPHERIC VAPOUR IN 1886.

## 36. TEZPUR.

## 37. DHUBRI.

## 38. TURA.

## 39. SILCHAR.

| MONTH.       | Mean. | 10 hours. | 16 hours. | From Minima.                                                                        | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima.                | Mean. | 10 hours. | 16 hours. | From Minima. |  |
|--------------|-------|-----------|-----------|-------------------------------------------------------------------------------------|-------|-----------|-----------|--------------|-------|-----------|-----------|-----------------------------|-------|-----------|-----------|--------------|--|
| January . .  | P     | '508      | '558      | P                                                                                   | '406  | '439      | '401      | '377         | ...   | '386†     | '390      | Shade minimum not recorded. | '431  | '497      | '427      | '369         |  |
| February . . | P     | '583      | '699      | P                                                                                   | '363  | '387      | '340      | '361         | ...   | '331      | '307      |                             | '401  | '459      | '380      | '365         |  |
| March . .    | P     | '685      | '781      | Shade min.<br>imperfect.<br>Observations of hygro-<br>meter are untrust-<br>worthy. | '471  | '521      | '418      | '473         | ...   | '467      | '438      |                             | '578  | '628      | '576      | '531         |  |
| April . .    | P     |           |           |                                                                                     | '623  | '663      | '610      | '597         | ...   | '627      | '618      |                             | '705  | '746      | '736      | '634         |  |
| May . .      | P     |           |           |                                                                                     | '786  | '813      | '818      | '727         | ...   | '729      | '746      |                             | '790  | '844      | '796      | '729         |  |
| June . .     | P     |           |           |                                                                                     | '926  | '957      | '948      | '874         | ...   | '859      | '878      |                             | '909  | '917      | '940      | '869         |  |
| July . .     | P     | '998*     | '935†     | P                                                                                   | '944  | '971      | '960      | '901         | ...   | '869      | '866      |                             | '922  | '941      | '946      | '880         |  |
| August . .   | '926  | '972†     | '959§     | '846                                                                                | '924  | '949      | '935      | '887         | ...   | '868      | '870      |                             | '918  | '939†     | '941      | '873         |  |
| September .  | '880  | '923      | '906      | '811                                                                                | '893  | '904      | '904      | '871         | ...   | '821      | '826      |                             | '904  | '938      | '924      | '851         |  |
| October . .  | '807  | '858      | '820      | '742                                                                                | '838  | '866      | '851      | '796         | ...   | '773      | '806      |                             | '855  | '892      | '863      | '810         |  |
| November . . | '551  | '604      | '575      | '475                                                                                | '598  | '635      | '606¶     | '553         | ...   | '558      | '595      |                             | '577  | '606      | '604      | '520         |  |
| December . . | '472  | '529      | '488      | '400                                                                                | '487  | '515      | '492      | '453         | ...   | '465      | '488      |                             | '472  | '527      | '470      | '420         |  |
| Year . .     | P     | P         | P         | P                                                                                   | '688  | '718      | '690      | '656         | ...   | '646      | '652      |                             | '705  | '745      | '717      | '654         |  |

\* Mean of 24 days.

† " " 30 "

‡ " " 23 "

§ Mean of 29 days.

|| " " 26 "

¶ " " 25 "

## 40. DARJEELING.

## 41. PEDONG.

## 42. PURNEAH.

## 43. DURGUNG.

| MONTH.       | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima.                | Mean. | 10 hours. | 16 hours. | From Minima. |
|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|-----------------------------|-------|-----------|-----------|--------------|
| January . .  | '204  | '211*     | '230†     | '170*        | '297  | '329*     | '311      | '251†        | P     | '423      | '388      | Shade minimum not recorded. | '418  | '443      | '437      | '374         |
| February . . | '207  | '216      | '229      | '177         | '282  | '305      | '294      | '248         | P     | '356      | '329      |                             | '364  | '373†     | '381      | '337‡        |
| March . .    | '253  | '270*     | '276†     | '212         | '358  | '395      | '372      | '306         | P     | '543      | '485      |                             | '488  | '520†     | '464†     | '481†        |
| April . .    | '286  | '299†     | '325‡     | '233†        | '387  | '426      | '411†     | '324         | P     | '602      | '470      |                             | '546  | '586      | '511      | '540†        |
| May . .      | '397  | '435      | '423*     | '334         | '504  | '554      | '509      | '448         | P     | '824†     | '787*     |                             | '814  | '850      | '844      | '747         |
| June . .     | '496  | '518      | '543†     | '427†        | '642  | '672      | '683      | '572         | P     | '998      | '986      |                             | '930  | '972      | '913      | '906         |
| July . .     | '521  | '550      | '556*     | '457         | '671  | '704      | '704      | '605         | '962  | 1'021     | 1'043     |                             | '993  | 1'027     | 1'016     | '936         |
| August . .   | '504  | '528      | '537*     | '448         | '655  | '688      | '690      | '587*        | '977  | 1'011     | 1'012     |                             | '982  | 1'005     | 1'020     | '922         |
| September .  | '471  | '497      | '499§     | '418         | '622  | '657      | '656      | '552         | '943  | '969      | '980      |                             | '944  | '967      | '966      | '900         |
| October . .  | '391  | '413*     | '429§     | '332*        | '528  | '568      | '552      | '464         | '837  | '877      | '849      |                             | '826  | '856      | '807      | '814         |
| November . . | '252  | '266      | '288†     | '203         | '360  | '394†     | '376‡     | '310§        | '555  | '605      | '577      |                             | '562  | '602      | '540      | '544         |
| December . . | '224  | '235*     | '253*     | '185†        | '317  | '340      | '331      | '279         | '457  | '499      | '489      |                             | '472  | '507      | '478      | '431         |
| Year . .     | '351  | '370      | '382      | '300         | '469  | '503      | '491      | '412         | P     | '727      | '700      | P                           | '695  | '726      | '698      | '661         |

\* Mean of 30 days.

† " " 29 "

‡ " " 27 "

§ Mean of 28 days.

|| " " 26 "



TABLE XI.— TENSION OF ATMOSPHERIC VAPOUR IN 1886.

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44. PATNA.

45. GYA.

46. HAZARIBAGH.

47. BERHAMPORE.

| MONTH.          | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima.              | Mean.               | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|-----------------|-------|-----------|-----------|--------------|-------|-----------|-----------|---------------------------|---------------------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . . .   | '399  | '431      | '436      | '331         | '342  | '375      | '359      | '292                      | '277                | '299      | '260      | '269         | '426  | '448      | '445      | '385         |
| February . . .  | '319  | '351      | '317      | '288         | '286  | '305      | '300      | '252*                     | '188                | '203      | '180      | '189         | '333  | '352      | '319      | '329         |
| March . . .     | '439  | '458      | '419      | '439         | '456  | '483      | '466      | '418                      | '328                | '334      | '298      | '325         | '532  | '601      | '486      | '508         |
| April . . .     | '442  | '491      | '407      | '427         | '448  | '379      | '338      | '627                      | '240                | '243      | '206      | '253         | '580  | '694      | '503      | '543         |
| May . . .       | '725  | '771      | '678      | '727         | '671  | '674      | '650      | '689                      | '527                | '530      | '469      | '526         | '804  | '876      | '773      | '764         |
| June . . .      | '856  | '879      | '841      | '848         | '790  | '828      | '816      | '727                      | Wet bulb Imperfect, |           |           | '695         | '943  | '981      | '957      | '892         |
| July . . .      | '961  | '960      | '967      | '955         | '866  | '926      | '936      | '735                      | '833                | '838†     | '826†     | '777         | '984  | 1'001     | 1'026     | '926         |
| August . . .    | '977  | '997      | 1'023     | '910         | ?     | '946      | '948*     | Shade min. not recorded.  | '807                | '815      | '812      | '761         | '972  | 1'000     | '994      | '922         |
| September . . . | '928  | '950      | '938      | '895         | ?     | '909      | '919      | Ditto.                    | '780                | '787      | '783      | '735         | '945  | '973      | '960      | '902         |
| October . . .   | '793  | '797      | '799      | '783         | ?     | '805      | '812      | Shade min. untrustworthy. | '683                | '716      | '679      | '642         | '880  | '917      | '875      | '847         |
| November . . .  | '519  | '551      | '496      | '509         | ?     | '521      | '518      | Shade min. not recorded.  | '411                | '432      | '410      | '392         | '612  | '654      | '594      | '589         |
| December . . .  | '428  | '451      | '450      | '383         | ?     | '395      | '384      | Shade min. imperfect.     | '305                | '324      | '308      | '282         | '478  | '511      | '483      | '439         |
| Year . . .      | '649  | '674      | '648      | '625         | ?     | '629      | '621      | ?                         | ?                   | ?         | ?         | '487         | '707  | '751      | '701      | '671         |

\* Mean of 18 days.

† Mean of 24 days.

48. BURDWAN.

49. JESSORE.

50. DACCA.

51. CHITTAGONG.

| MONTH.          | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|-----------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . . .   | '387  | '394      | '364      | '402         | '425  | '475      | '424      | '375         | '429  | '453      | '446      | '389*        | '491  | '538      | '499      | '435         |
| February . . .  | '300  | '281      | '263      | '355         | '365  | '408      | '328      | '358         | '405  | '434      | '389      | '393         | '455  | '488      | '450      | '426         |
| March . . .     | '533  | '558      | '453      | '587         | '627  | '689      | '586†     | '605         | '612  | '659      | '572      | '604         | '649  | '676      | 671       | '601         |
| April . . .     | '557  | '583      | '409      | '680         | '779  | '826      | '771†     | '740         | '836  | '902      | '827      | '779         | '831  | '863      | '851      | '778         |
| May . . .       | '789  | '822      | '739      | '807         | '880  | '941      | '880      | '818         | '884  | '942      | '887      | '823         | '863  | '885      | '897      | '807         |
| June . . .      | 897   | '904      | '865      | '921         | '992  | 1'030     | '992      | '955         | '987  | 1'022     | '995      | '944         | '914  | '942      | '932      | '867         |
| July . . .      | '930  | '924      | '928      | '938         | 1'005 | 1'039     | 1'028     | '947         | '988  | 1'020     | '997*     | '946         | '916  | '938      | '949      | '861         |
| August . . .    | '917  | '920      | '903      | '929         | '995  | 1'024     | 1'023     | '937         | '985  | 1'016     | '997      | '943         | '910  | '938      | '937      | '855         |
| September . . . | '909  | '916†     | '886      | '924         | '980  | 1'024†    | '994      | '923         | '979  | 1'006     | '983      | '949         | '914  | '935      | '952      | '855         |
| October . . .   | '856  | '861      | '816      | '890         | '915  | '953      | '919      | '871         | '915  | '930      | '919      | '895         | '895  | '930      | '920      | '834         |
| November . . .  | '578  | '581      | '571      | '583†        | '641  | '680      | '647      | '596         | '637  | '665      | '621      | '624         | 699   | '751      | '725      | '620         |
| December . . .  | '420  | '418      | '406      | '436         | '492  | '537      | '508      | '432         | '503  | '524      | '495      | '489         | '524  | '562      | '549      | '460         |
| Year . . .      | '673  | '680      | '634      | '704         | '758  | '802      | '758      | '713         | '763  | '798      | '761      | '732         | '755  | '787      | '778      | '700         |

\* Mean of 30 days.

† " " 29 "

TABLE XI.—TENSION OF ATMOSPHERIC VAPOUR IN 1886.

52A. CALCUTTA (*Chowringhee*).52B. CALCUTTA (*Alipore*).

## 53. SAUGOR ISLAND.

## 54. CUTTACK.

| MONTH.       | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|--------------|-------|-----------|-----------|--------------|-------|----------|-----------|-----------|-----------|--------------|-------|----------|-----------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . .  | '478  | '477      | '456      | '430         | '452  | '433     | '441      | '405      | '475      | '435         | '516  | '491     | '539      | '521      | '514      | '448         | '495  | '528      | '471      | '486         |
| February . . | '451  | '443      | '390      | '422         | '428  | '457     | '404      | '297      | '473      | '421         | '542  | '550     | '544      | '517      | '557      | '489         | '497  | '551      | '428      | '513         |
| March . . .  | '697  | '704      | '610      | '637         | '673  | '676     | '659      | '533      | '709      | '619         | '772  | '770     | '771      | '770      | '777      | '734*        | '698  | '734      | '642      | '717         |
| April . . .  | '796  | '823      | '693      | '772         | '803  | '816     | '755      | '625      | '827      | '741         | '930  | '900     | '948      | '945      | '928      | '866         | '782  | '792      | '746      | '808         |
| May . . .    | '892  | '906      | '878      | '824         | '904  | '882     | '859      | '812      | '868      | '796         | '949  | '923     | '982      | '956      | '935      | '906         | '828  | '867      | '811*     | '805         |
| June . . .   | '995  | '999      | '975      | '940         | '979  | '963     | '928      | '913      | '952      | '915         | 1'003 | '983     | 1'005     | 1'029     | '994      | '954         | '892  | '919      | '898      | '860         |
| July . . .   | 1'001 | 1'016     | 1'010     | '935         | '976  | '952     | '959      | '969      | '947      | '912         | '985  | '972     | '990      | '998      | '979      | '930         | '916  | '917*     | '923      | '908         |
| August . .   | '986  | 1'011     | '997      | '923         | '971  | '944     | '965      | '954      | '952      | '914         | '982  | '960     | '995      | '994      | '980      | '933         | '919  | '922      | '930      | '904         |
| September .  | '983  | 1'002     | '985      | '912         | '968  | '940     | '950      | '949      | '955      | '898         | '972  | '953     | '994      | '974      | '966      | '914         | '884  | '908      | '911      | '832         |
| October . .  | '950  | '930      | '913      | '888         | '919  | '909     | '891      | '866      | '923      | '886         | '919  | '890     | '947      | '930      | '908      | '870         | '866  | '885      | '860      | '854         |
| November .   | '641  | '626      | '607      | '610         | '638  | '619     | '606      | '581      | '657      | '619         | '676  | '675     | '692      | '660      | '676      | '638         | '651  | '655      | '669      | '630         |
| December .   | '499  | '510      | '466      | '462         | '481  | '468     | '486      | '445      | '511      | '462         | '527  | '491     | '575      | '522      | '519      | '471         | '529  | '539      | '560      | '487         |
| Year . . .   | '781  | '787      | '748      | '730         | '766  | '755     | '742      | '696      | '771      | '718         | '814  | '797     | '832      | '818      | '811      | '763         | '746  | '768      | '737      | '734         |

\* Mean of 30 days.

## 55. FALSE POINT.

## 56. SAMBALPUR.

## 57. RAIPUR.

## 58. NAGPUR.

| MONTH.       | Mean. | 10 hours. | 16 hours. | From Minima.               | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima.    | Mean. | 10 hours. | 16 hours. | From Minima. |
|--------------|-------|-----------|-----------|----------------------------|-------|-----------|-----------|--------------|-------|-----------|-----------|-----------------|-------|-----------|-----------|--------------|
| January . .  | ?     | '584      | '578      | Shade min. Imperfect. '561 | '431  | '478      | '422      | '392         | 383   | '409      | '367      | '373            | '376  | '394      | '350      | '383         |
| February . . | '601  | '622      | '620      |                            | '374  | '379      | '367      | '376         | '309  | '289      | '327      | '312            | '306  | '284      | '313      | '320         |
| March . . .  | '793  | '809*     | '810      | '760‡                      | '494  | '542      | '426      | '514         | '386  | '407      | '370      | '381            | '337  | '344      | '306      | '361         |
| April . . .  | '968  | '991      | 1'008     | '906                       | '381  | '429      | '283      | '431         | '321  | '374      | '307      | '283            | '261  | '271      | '248      | '264         |
| May . . .    | '955  | '981†     | '974§     | '911                       | '648  | '714      | '570      | '660         | '537  | '583      | '495      | '532            | '483  | '531      | '428      | '490         |
| June . . .   | '972  | '984      | 1'000     | '932                       | '865  | '893      | '868      | '835         | '738  | '778      | '721¶     | '716**          | '748  | '764      | '710      | '771         |
| July . . .   | '950  | '965      | '966      | '918                       | '891  | '918      | '913      | '843         | ?     | '877      | '884      | Imperfect. '824 | '840  | '848      | '849      | '824         |
| August . .   | '953  | '972      | '968      | '919                       | '891  | '921      | '906      | '846         | '830  | '841      | '824      | '824            | '799  | '819      | '811      | '767         |
| September .  | '949  | '979‡     | '963      | '906                       | '881  | '915      | '884      | '844         | '772  | '808      | '766      | '741            | '680  | '717      | '662      | '660         |
| October . .  | '911  | '935      | '911      | '888                       | '842  | '883      | '852      | '790         | '775  | '798      | '760      | '768            | '755  | '796      | '756      | '713         |
| November .   | '689  | '714      | '666      | '688                       | '580  | '606      | '574      | '561         | '497  | '528      | '461      | '501            | '467  | '498      | '458      | '446         |
| December .   | '535  | '571      | '535      | '499                       | '437  | '479      | '417      | '415         | '367  | '390      | '343      | '368            | '383  | '409      | '389      | '351         |
| Year . . .   | ?     | '842      | '833      | ?                          | '643  | '680      | '624      | '626         | ?     | '590      | '552      | ?               | '536  | '556      | '523      | '529         |

\* Mean of 30 days.

† " " 27 "

‡ " " 28 "

§ Mean of 26 days.

|| " " 23 "

¶ Mean of 29 days.

\*\* " " 21 "

TABLE XI.—TENSION OF ATMOSPHERIC VAPOUR IN 1880.

259

59 SEONI.

60. JUBBULPORE.

61. SAUGOR.

62. PACHMARHI.

| MONTH.          | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|-----------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . . .   | '311  | '328      | '320      | '285         | '344  | '376      | '341      | '316         | '310  | '324      | '311      | '295         | '316  | '302      | '360      | '285         |
| February . . .  | '257  | '233      | '279      | '259         | '260  | '251      | '244      | '286         | '213  | '201      | '204      | '233         | '227  | '217      | '232      | '233         |
| March . . .     | '326  | '320      | '312      | '345         | '342  | '350      | '289      | '387         | '294  | '296      | '259      | '328         | '287  | '276      | '271      | '315         |
| April . . .     | '243  | '239      | '220      | '271         | '235  | '229      | '185      | '290         | '213  | '202      | '179      | '259         | '221  | '188      | '213      | '261         |
| May . . .       | '462  | '473      | '416      | '497         | '455  | '445      | '383      | '538         | '378  | '404      | '313      | '417         | '361  | '360      | '338      | '385         |
| June . . .      | '677  | '682      | '658      | '692         | '696  | '716      | '661      | '712         | '654  | '672      | '624      | '667         | '607  | '649      | '636      | '536         |
| July . . .      | '760  | '771      | '771      | '737         | '833  | '847      | '856      | '797         | '805  | '809*     | '847†     | '758*        | '681  | '698      | '720      | '624         |
| August . . .    | '742  | '739      | '760      | '726         | '803  | '809      | '820      | '779         | '786  | '810*     | '807*     | '742*        | '662  | '675      | '686      | '625         |
| September . . . | '636  | '642      | '642      | '623         | '704  | '715      | '677      | '721         | '652  | '691      | '627      | '637         | '573  | '601      | '601      | '517         |
| October . . .   | '664  | '684      | '669      | '639         | '712  | '735      | '712      | '688         | '676  | '723      | '680      | '626         | '588  | '615      | '613      | '536         |
| November . . .  | '406  | '415      | '394      | '410         | '436  | '483      | '411      | '413         | '358  | '380      | '341      | '354         | '351  | '364      | '368      | '322         |
| December . . .  | '308  | '338      | '269      | '318         | '337  | '361      | '342      | '307         | '301  | '309      | '303      | '291         | '293  | '292      | '326      | '260         |
| Year . . .      | '483  | '489      | '476      | '484         | '513  | '526      | '493      | '520         | '470  | '485      | '458      | '467         | '431  | '436      | '447      | '408         |

\* Mean of 30 days.

† " " 29 "

63. HOSHANGABAD.

64. KHANDWA.

65. CHANDA.

66. SIRONCHA.

| MONTH.          | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean.                           | 10 hours. | 16 hours. | From Minima. |
|-----------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|---------------------------------|-----------|-----------|--------------|
| January . . .   | '367  | '382      | '387      | '332         | '340  | '355      | '334      | '332         | '411  | '431      | '423      | '379         | '480                            | '518      | '483      | '440         |
| February . . .  | '270  | '268      | '286      | '257         | '267  | '259      | '281      | '261         | '372  | '397      | '323      | '397         | '447                            | '484      | '392      | '466         |
| March . . .     | '336  | '343      | '306      | '359*        | '304  | '323      | '288      | '302         | '368  | '387      | '303      | '415         | '516                            | '589      | '415      | '545         |
| April . . .     | '266  | '254      | '242      | '301         | '273  | '272      | '259      | '289         | '269  | '273      | '200      | '335         | '494                            | '583      | '393      | '506         |
| May . . .       | '442  | '461      | '364      | '500         | '507  | '562      | '434      | '524         | '522  | '571      | '438      | '557         | '643                            | '702      | '551      | '675         |
| June . . .      | '747  | '789      | '695      | '757         | '765  | '799      | '742      | '754         | '766  | '769      | '761      | '769         | '834                            | '862      | '817      | '823         |
| July . . .      | '853  | '865      | '875      | '818         | '793  | '804      | '808      | '767         | '801  | '797      | '798      | '807         | '861                            | '870      | '888      | '826         |
| August . . .    | '821  | '837      | '836      | '789†        | '758  | '769      | '766      | '738         | '799  | '790      | '805      | '803         | '876                            | '892      | '887      | '849         |
| September . . . | '701  | '742      | '683      | '677         | '677  | '709      | '645      | '676         | '748  | '743      | '752      | '750         | '835                            | '870      | '815      | '820         |
| October . . .   | '752  | '788      | '735      | '733         | '714  | '770      | '688      | '683         | '776  | '790      | '784      | '753         | '850                            | '870      | '865      | '816         |
| November . . .  | '452  | '494      | '446      | '417         | '418  | '466      | '385      | '404         | '514  | '540      | '499      | '504         | '620                            | '669†     | '594†     | '598†        |
| December . . .  | '379  | '410      | '384      | '344         | '358  | '388      | '353      | '332         | '389  | '418      | '369      | '380         | Observatory temporarily closed. |           |           |              |
| Year . . .      | '532  | '553      | '520      | '524         | '515  | '540      | '499      | '505         | '561  | '576      | '538      | '571         | ?                               | ?         | ?         | ?            |

\* Mean of 29 days.

† " " 30 "

‡ Mean of 20 days.

2 2 2

TABLE XI.—TENSION OF ATMOSPHERIC VAPOUR IN 1886.

## 67. CHIKALDA.

## 68. BULDANA.

## 69. AKOLA.

## 70. AMRAOTI.

| MONTH.        | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|---------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . .   | '342  | '358      | '359      | '310         | '331  | '335      | '332      | '326         | '360  | '378      | '368      | '333         | '387  | '427      | '402      | '331         |
| February . .  | '305  | '320      | '330      | '265         | '263  | '264      | '260      | '266         | '292  | '299      | '305      | '273         | '303  | '310      | '354      | '245         |
| March . .     | '301  | '324      | '303      | '276         | '272  | '275      | '251      | '291         | '294  | '312      | '279      | '291         | '358  | '399      | '378      | '296         |
| April . .     | '230  | '230      | '232      | '227         | '220  | '181      | '182      | '298         | '241  | '234      | '241      | '249         | '239  | '275      | '234      | '208         |
| May . .       | '432  | '454      | '399      | '442         | '453  | '511      | '395      | '454         | '463  | '502      | '399      | '487         | '462  | '496      | '407      | '483†        |
| June . .      | '651  | '683      | '670      | '600         | '696  | '733      | '681      | '673         | '742  | '773      | '711      | '742         | '744  | '794      | '712      | '725         |
| July . .      | '674  | '686      | '709      | '626         | '723  | '734      | '749      | '686         | '787  | '803      | '793      | '766         | '805  | '832      | '838      | '745         |
| August . .    | '661  | '673      | '693      | '616         | '699  | '707      | '724      | '666*        | '754  | '760      | '763      | '739         | '787  | '824      | '801      | '735         |
| September . . | '607  | '631      | '630      | '561         | '615  | '659      | '594      | '593         | '668  | '696      | '645      | '662         | '683  | '731      | '669      | '649         |
| October . .   | '614  | '648      | '626      | '569         | '661  | '702      | '665      | '617         | '744  | '789      | '732      | '710         | '730  | '778      | '730      | '682         |
| November . .  | '429  | '452      | '457      | '377         | '401  | '430      | '387      | '385         | '456  | '489      | '443      | '435         | '462  | '493      | '450      | '443         |
| December . .  | '349  | '364      | '380      | '303         | '322  | '340      | '320      | '306         | '372  | '395      | '376      | '345         | '373  | '395      | '384      | '341         |
| Year . .      | '466  | '485      | '482      | '431         | '471  | '489      | '462      | '463         | '514  | '536      | '505      | '503         | '528  | '563      | '530      | '490         |

\* Mean of 28 days.

† Mean of 30 days.

## 71. NEEMUCH.

## 72. NOWGONG.

## 73. SUTNA.

## 74. INDORE.

| MONTH.        | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|---------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . .   | '249  | '263      | '244      | '240         | '320  | '341      | '315      | '304         | '311  | '333      | '298      | '303         | '282  | '298      | '270      | '278         |
| February . .  | '184  | '183*     | '193*     | '177*        | '210  | '216      | '179      | '235         | '202  | '193      | '160      | '252         | '195  | '195      | '194      | '196         |
| March . .     | '274  | '266      | '275      | '281         | '345  | '369      | '290      | '376         | '323  | '338      | '267      | '363         | '293  | '329      | '293      | '257         |
| April . .     | '233  | '202      | '236      | '262         | '232  | '254      | '168      | '274         | '200  | '196      | '135      | '270         | '194  | '190      | '184      | '207         |
| May . .       | '377  | '315      | '350      | '465         | '465  | '496      | '430      | '469         | '418  | '436      | '355      | '463         | '447  | '507      | '402      | '432         |
| June . .      | '573  | '532      | '539      | '648         | '679  | '687      | '630      | '721         | '645  | '663      | '631      | '641         | '727  | '790      | '722      | '668         |
| July . .      | '772  | '759      | '781      | '775         | '904  | '908      | '920      | '885         | '861  | '885      | '871      | '827         | '764  | '789      | '808      | '696         |
| August . .    | '766  | '758      | '790      | '749         | '857  | '871      | '865      | '834         | '830  | '844      | '844      | '803         | '752  | '763      | '770      | '723         |
| September . . | '664  | '674      | '688      | '630         | '730  | '748      | '707      | '735         | '733  | '756      | '705      | '739         | '663  | '699      | '648      | '641         |
| October . .   | '568  | '561†     | '585†     | '559†        | '727  | '755      | '722§     | '705         | '728  | '760      | '720      | '704         | '623  | '686      | '648      | '535         |
| November . .  | '341  | '317      | '358      | '348         | '396  | '428      | '371      | '389         | '394  | '413      | '372      | '397         | '374  | '404      | '374      | '343         |
| December . .  | '254  | '246†     | '270†     | '245†        | '357  | '369      | '368      | '333         | '313  | '340      | '294      | '305         | '324  | '340      | '332      | '299         |
| Year . .      | '438  | '423      | '442      | '448         | '519  | '537      | '497      | '522         | '497  | '513      | '471      | '506         | '470  | '499      | '470      | '440         |

\* Mean of 24 days.

† " " 26 "

‡ " " 27 "

§ Mean of 30 days.

|| " " 29 "

TABLE XI.—TENSION OF ATMOSPHERIC VAPOUR IN 1886.

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## 75. BICKANEER.

## 76. JEYPORE.

## 77. SAMBHAR.

## 78. AJMERE.

| MONTH.        | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|---------------|-------|-----------|-----------|--------------|-------|----------|-----------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . .   | '246  | '237      | '255      | '247         | '318  | '299     | '322      | '333      | '317      | '281         | '282  | '313      | '296      | '238         | '283  | '307      | '304      | '238*        |
| February . .  | '255  | '231      | '319      | '215         | '214  | '205     | '219      | '212      | '218      | '201         | '162  | '180      | '162      | '145         | '202  | '217      | '216      | '173         |
| March . . .   | '378  | '353      | '391      | '390         | '370  | '342     | '378      | '391      | '370      | '332         | '259  | '293*     | '244*     | '241         | '325  | '328      | '346      | '301         |
| April . . .   | '473  | '422      | '507      | '491         | '311  | '288     | '326      | '313      | '316      | '283         | '256  | '274      | '236      | '258         | '303  | '306      | '345      | '258         |
| May . . . .   | '501  | '448      | '528      | '527         | '449  | '467     | '468      | '415      | '446      | '459         | '412  | '480      | '353      | '403         | '494  | '530      | '500      | '453         |
| June . . . .  | '532  | '515      | '545      | '537         | '662  | '691     | '680      | '601      | '674      | '670         | '652  | '689      | '617      | '649         | '681  | '704      | '691      | '648         |
| July . . . .  | '558  | '545      | '615      | '514         | '860  | '862     | '861      | '847      | '870      | '841         | '830  | '854      | '826      | '809         | '836  | '860      | '856      | '792         |
| August . . .  | '616  | '579      | '675      | '595         | '813  | '808     | '811      | '797      | '836      | '797         | '812  | '828      | '833      | '775         | '775  | '795      | '795      | '735         |
| September . . | '575  | '540      | '597      | '587         | '629  | '636     | '658      | '579      | '642      | '631         | '647  | '693      | '630      | '618         | '641  | '677      | '645      | '602         |
| October . . . | '504  | '472      | '509      | '532         | '535  | '544     | '577      | '502      | '515      | '524         | '535  | '599      | '516      | '491         | '582  | '619      | '593      | '533         |
| November . .  | '265  | '230      | '319      | '246         | '316  | '305     | '313      | '329      | '315      | '300         | '290  | '307      | '309      | '255         | '333  | '375      | '348      | '277         |
| December . .  | '174  | '135      | '224      | '163         | '241  | '232     | '242      | '243      | '245      | '216         | '256  | '269      | '293      | '207         | '246  | '280      | '272      | '186         |
| Year . . . .  | '423  | '392      | '457      | '420         | '477  | '473     | '488      | '464      | '480      | '461         | '449  | '482      | '443      | '424         | '475  | '500      | '493      | '433         |

\* Mean of 30 days.

## 79. MOUNT ABU.

## 80. PACHPADRA.

## 81. JACOBABAD.

## 82. HYDERABAD.

| MONTH.        | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|---------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . .   | '205  | '200      | '218      | '196*        | '197  | '220      | '185      | '185         | '237  | '268      | '228      | '214         | '266  | '291      | '266      | '242†        |
| February . .  | '141  | '137      | '131      | '156†        | '115  | '124      | '099      | '122         | '162  | '163      | '170      | '154         | '250  | '256      | '288      | '207         |
| March . . .   | '232  | '225      | '227      | '243*        | '238  | '253      | '195      | '266         | '311  | '344      | '305      | '285         | '402  | '410      | '421      | '374         |
| April . . .   | '225  | '232      | '229      | '214†        | '353  | '399      | '369      | '291         | '329  | '339      | '339      | '310         | '551  | '559§     | '608§     | '485§        |
| May . . . .   | '440  | '430      | '468      | '421*        | '485  | '617      | '411      | '426         | '433  | '484      | '397      | '417         | '721  | '726      | '706      | '732         |
| June . . . .  | '593  | '618      | '614      | '546         | '701  | '786      | '599      | '717         | '721  | '806      | '622      | '734         | '752  | '755      | '692      | '809         |
| July . . . .  | '664  | '675      | '699      | '619         | '859  | '900      | '838      | '839         | '840  | '893      | '804      | '823         | '821  | '815      | '800      | '847         |
| August . . .  | '625  | '632      | '657      | '585†        | '787  | '810      | '782      | '770         | '776  | '816      | '759      | '752         | '758  | '756      | '764      | '753*        |
| September . . | '532  | '543      | '567      | '486         | '674  | '721      | '650      | '652         | '700  | '750      | '645      | '706         | '719  | '717      | '716      | '724         |
| October . . . | '410  | '400      | '436      | '395         | '472  | '555      | '422      | '440         | '415  | '386      | '435      | '425         | '408  | '449      | '344      | '432         |
| November . .  | '281  | '278      | '283      | '283         | '253  | '266      | '263      | '231         | '345  | '338      | '348      | '350         | '368  | '383      | '350      | '372         |
| December . .  | '215  | '208      | '222      | '216         | '156  | '163      | '160      | '145         | '219  | '203      | '224      | '231         | '235  | '249      | '212      | '244         |
| Year . . . .  | '380  | '382      | '396      | '363         | '441  | '485      | '414      | '424         | '457  | '483      | '440      | '450         | '521  | '531      | '514      | '518         |

\* Mean of 30 days.

† " " 27 "

‡ " " 29 "

§ Mean of 25 days.

TABLE XI.—TENSION OF ATMOSPHERIC VAPOUR IN 1886.

## 83. KURRACHEE.

## 84. BHUJ.

## 85. RAJKOT.

## 86. DEESA.

| MONTH.        | Mean. | 10<br>hours. | 16<br>hours. | From<br>Minima. | Mean. | 10<br>hours. | 16<br>hours. | From<br>Minima. | Mean. | 10<br>hours.               | 16<br>hours.                  | From<br>Minima.             | Mean. | 10<br>hours. | 16<br>hours. | From<br>Minima. |
|---------------|-------|--------------|--------------|-----------------|-------|--------------|--------------|-----------------|-------|----------------------------|-------------------------------|-----------------------------|-------|--------------|--------------|-----------------|
| January . .   | '288  | '265         | '283         | '237            | '326  | '352*        | '367*        | '259†           | '266  | '294                       | '263                          | '241                        | '246  | '224         | '212         | '194            |
| February . .  | '253  | '205         | '263         | '189            | '266  | '281         | '320         | '196            | ?     | 242‡                       | Hygro-<br>meter<br>imperfect. | '244                        | '159  | '148         | '151         | '154            |
| March . .     | '544  | '479         | '533         | '474            | '422  | '421         | '433         | '412            | ?     | '355§                      |                               | Shade<br>min.<br>imperfect. | '282  | '288         | '203         | '280            |
| April . .     | '688  | '650         | '679         | '634            | '447  | '434         | '423         | '484            | ?     | Observations not recorded. |                               |                             | '348  | '373         | '273         | '349            |
| May . .       | '906  | '841         | '902         | '849            | '689  | '674         | '657         | '735            | '755  | '742**                     | '714**                        | '810†                       | '623  | '632         | '490         | '640            |
| June . .      | '956  | '925         | '955         | '915            | '774  | '773         | '769         | '781            | '715  | '698                       | '703                          | '743**                      | '771  | '769         | '664         | '757            |
| July . .      | '943  | '943         | '953         | '905            | '841  | '864         | '865         | '794            | '753  | '760                       | '787                          | '713                        | '851  | '851         | '839         | '805            |
| August . .    | '827  | '832         | '832         | '805            | '774  | '796         | '781         | '746            | '810  | '824                       | '853                          | '752                        | '814  | '817         | '803         | '781            |
| September . . | '796  | '790         | '806         | '771            | '712  | '733         | '692         | '710            | '719  | '735                       | '697                          | '724                        | '697  | '726         | '654         | '675            |
| October . .   | '552  | '545         | '627         | '513            | '544  | '576         | '475         | '580            | '663  | '701                       | '631                          | '656                        | '552  | '569         | '491         | '575            |
| November . .  | '468  | '456         | '541         | '406            | '426  | '460         | '437         | '381            | '461  | '465                       | '534                          | '383                        | '319  | '321         | '285         | '331            |
| December . .  | '339  | '328         | '370         | '248            | '239  | '268         | '250         | '200            | '263  | '254                       | '341                          | '193                        | '244  | '228         | '199         | '240            |
| Year . .      | '630  | '605         | '645         | '579            | '538  | '553         | '539         | '523            | ?     | ?                          | ?                             | ?                           | '492  | '496         | '439         | '482            |

\* Mean of 25 days.

† " " 23 "

‡ Mean of 26 days.

§ " " 28 "

|| " " 20 "

\*\* Mean of 29 days.

## 87. SURAT.

## 88. MALEGAON.

## 89. BOMBAY.

## 90. POONA.

| MONTH.          | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|-----------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|----------|-----------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . . .   | '411  | '434      | '437      | '363         | '346  | '357      | '396      | '285         | '562  | '547     | '537      | '576      | '589      | '512         | '322  | '312      | '275      | '314         |
| February . . .  | '372  | '384      | '397      | '334         | '305  | '295      | '363      | '257         | '552  | '506     | '506      | '617      | '580      | '464         | '262  | '223      | '202      | '305         |
| March . . .     | '545  | '554      | '535      | '545         | '358  | '357      | '373      | '345         | '694  | '682     | '681      | '713      | '701      | '641         | '320  | '270      | '222      | '358         |
| April . . .     | '552  | '543      | '524      | '588         | '242  | '206      | '251      | '270         | '776  | '759     | '782      | '789      | '775      | '724         | '309  | '214      | '220      | '346         |
| May . . .       | '782  | '768      | '751      | '827         | '433  | '404      | '392      | '502         | '904  | '887     | '907      | '909      | '912      | '855         | '558  | '479      | '466      | '615         |
| June . . .      | '822  | '805      | '799      | '861         | '667  | '653      | '657      | '690         | '919  | '910     | '922      | '926      | '919      | '850         | '715  | '692      | '671      | '723         |
| July . . .      | '887  | '902      | '905      | '854         | '708  | '713      | '702      | '708         | '892  | '879     | '907      | '899      | '882      | '828         | '702  | '705      | '687      | '697         |
| August . . .    | '863  | '890      | '871      | '827         | '682  | '683      | '689      | '673         | '857  | '845     | '874      | '862      | '848      | '811         | '676  | '679      | '666      | '680         |
| September . . . | '847  | '859      | '857      | '826         | '602  | '612      | '568      | '625         | '871  | '865     | '891      | '867      | '861      | '828         | '663  | '653      | '633      | '673         |
| October . . .   | '827  | '857      | '848      | '777         | '659  | '669      | '653      | '654         | '876  | '854     | '893      | '888      | '870      | '830         | '689  | '679      | '663      | '696         |
| November . . .  | '631  | '650      | '670      | '574         | '402  | '400      | '376      | '429         | '763  | '729     | '735      | '795      | '791      | '683         | '502  | '502      | '430      | '533         |
| December . . .  | '476  | '518      | '485      | '426         | '327  | '340      | '324      | '316         | '629  | '594     | '612      | '657      | '651      | '563         | '394  | '390      | '329      | '410         |
| Year . . .      | '668  | '680      | '673      | '650         | '478  | '474      | '479      | '480         | '775  | '755     | '771      | '792      | '782      | '716         | '509  | '483      | '455      | '529         |

TABLE XI.—TENSION OF ATMOSPHERIC VAPOUR IN 1886.

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## 91. SHOLAPUR.

## 92. RATNAGIRI.

## 93. BELGAUM.

## 94. KARWAR.

| MONTH.          | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|-----------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . . .   | '347  | '392      | '350      | '300         | '549  | '532      | '628      | '486         | '379  | '366      | '333      | '399         | '603  | '593      | '658      | '558†        |
| February . . .  | '288  | '323      | '299      | '243         | '579  | '561      | '718      | '457         | '320  | '281      | '285      | '353         | '638  | '627      | '725      | '561         |
| March . . .     | '353  | '411      | '393      | '256         | '684  | '698      | '745      | '609         | '373  | '284      | '344      | '397         | '733  | '719      | '766      | '714         |
| April . . .     | '371  | '419      | '420      | '275         | '740  | '735      | '798      | '688         | '483  | '360      | '506      | '497         | '807  | '813      | '813      | '795         |
| May . . .       | '557  | '588      | '533      | '549         | '815  | '819      | '839      | '787         | '629  | '581      | '613      | '627         | '833  | '831      | '857      | '812         |
| June . . .      | '696  | '727      | '691      | '671         | '819  | '842      | '860      | '754         | '692  | '715      | '695      | '658         | '866  | '883      | '889      | '825         |
| July . . .      | '704  | '735      | '710      | '666         | '832  | '882      | '877      | '738         | '671  | '693      | '679      | '631         | '827  | '851      | '848      | '782         |
| August . . .    | '696  | '724      | '711      | '652         | '824  | '871      | '875      | '727         | '654  | '672      | '680      | '621         | '822  | '839      | '849      | '777         |
| September . . . | '643  | '672      | '632      | '626*        | '824  | '872      | '881      | '718         | '646  | '653      | '663      | '611         | '845  | '864      | '861      | '811         |
| October . . .   | '692  | '724      | '711      | '642         | '814  | '859      | '874      | '708         | '652  | '661      | '657      | '607         | '831  | '848      | '853      | '792         |
| November . . .  | '488  | '538      | '480      | '447         | '690  | '679      | '792      | '599*        | '460  | '474      | '425      | '468         | '705  | '714      | '757      | '643         |
| December . . .  | '411  | '467      | '413      | '353         | '579  | '562      | '682      | '493         | '380  | '404      | '355      | '396         | '602  | '605      | '640      | '562         |
| Year . . .      | '521  | '560      | '529      | '473         | '729  | '743      | '797      | '647         | '528  | '512      | '520      | '522         | '759  | '766      | '793      | '719         |

\* Mean of 29 days.

† " " 30 "

## 95. GOPALPUR.

## 96. VIZAGAPATAM.

## 97. RAJAHMUNDRY.

## 98. MASULIPATAM.

| MONTH.          | Mean. | 10 hours. | 16 hours. | From Minima.                | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima.                |
|-----------------|-------|-----------|-----------|-----------------------------|-------|----------|-----------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|-----------------------------|
| January . . .   | ...   | '582      | '595      | Shade minimum not recorded. | '560  | '539     | '558      | '562      | '579      | '409         | '497  | '504      | '441      | '518         | '639  | '690      | '728      | '529*                       |
| February . . .  | ...   | '633      | '704      |                             | '640  | '627     | '621      | '640      | '671      | '477         | '508  | '543      | '435      | '565         | '632  | '770      | '762      | Shade minimum not recorded. |
| March . . .     | ...   | '797      | '850      |                             | '751  | '756     | '720      | '752      | '775      | '627         | '643  | '671      | '550      | '712         | '766  | '857      | '884      | Ditto.                      |
| April . . .     | ...   | '904      | '917      |                             | '826  | '827     | '785      | '835      | '856      | '701         | '705  | '725      | '606      | '785         | '997  | '975      | 1'018     | Ditto.                      |
| May . . .       | ...   | '989      | 1'007     |                             | '907  | '910     | '895      | '910      | '914      | '742         | '755  | '788      | '711      | '784         | '979  | 1'008     | 1'037     | '901                        |
| June . . .      | ...   | 1'002     | 1'008     |                             | '888  | '896     | '866      | '878      | '910      | '720         | '792  | '803      | '780      | '796         | '935  | '960      | 1'009     | '853                        |
| July . . .      | ...   | '967      | '971      |                             | '876  | '874     | '857      | '877      | '896      | '717         | '811  | '813      | '816      | '803         | '933  | '962      | 1'011     | '845                        |
| August . . .    | ...   | '975      | '975      |                             | '900  | '887     | '899      | '908      | '907      | '741         | '798  | '808      | '798      | '792         | '928  | '960      | '973      | '857                        |
| September . . . | ...   | '965      | '953      |                             | '899  | '907     | '879      | '897      | '914      | '733         | '771  | '780      | '741      | '797         | '872  | '887      | '862      | '875                        |
| October . . .   | ...   | '953      | '926      |                             | '892  | '885     | '890      | '893      | '898      | '724         | '799  | '816      | '789      | '793         | '884  | '900      | '880      | '872                        |
| November . . .  | ...   | '737      | '716      |                             | '701  | '708     | '680      | '698      | '717      | '556         | '621  | '629      | '591      | '642         | '742  | '751      | '725      | '750                        |
| December . . .  | ...   | '585      | '565      |                             | '575  | '570     | '562      | '564      | '604      | '419         | '515  | '526      | '499      | '520         | '627  | '647      | '632      | '613                        |
| Year . . .      | ...   | '841      | '849      |                             | '785  | '782     | '768      | '785      | '803      | '631         | '685  | '701      | '646      | '709         | '828  | '864      | '877      | ?                           |

\* Mean of 26 days.

TABLE XI.—TENSION OF ATMOSPHERIC VAPOUR IN 1886.

## 99. SECUNDERABAD.

## 100. KURNOOL.

## 101. BELLARY.

## 102. MANGALORE.

| MONTH.       | Mean. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima.             | Mean. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|--------------|-------|-----------|-----------|-----------|--------------|-------|-----------|-----------|--------------------------|-------|-----------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . .  | '414  | '439      | '383      | '416      | '411         | '442  | '482      | '405      | '455                     | '407  | '456      | '377      | '417      | '378         | '675  | '653      | '751      | '622         |
| February . . | '369  | '386      | '322      | '365      | '381         | '400  | '431      | '345      | '432                     | '365  | '397      | '324      | '365      | '372         | '667  | '596      | '764      | '640         |
| March * . .  | '444  | '486      | '394      | '432      | '448         | '520  | '508      | '431      | Shade min. imperfect.    | '397  | '404      | '357      | '385      | '425         | '850  | '868      | '912      | '769         |
| April . . .  | '484  | '518      | '434      | '470      | '492         | '566  | '561      | '400      | Shade min. not recorded. | '384  | '422      | '338      | '367      | '376         | '927  | '950      | '973      | '857         |
| May . . .    | '602  | '647      | '574      | '581      | '586         | '598  | '631      | '521      | '638*                    | '591  | '621      | '511      | '605      | '569         | '904  | '923      | '923      | '867         |
| June . . .   | '707  | '720      | '694      | '709      | '675         | '702  | '717      | '686      | '705                     | '685  | '753      | '711      | '688      | '573         | '885  | '911      | '903      | '840         |
| July . . .   | '738  | '737      | '755      | '747      | '693         | '739  | '754      | '733      | '721                     | '711  | '724      | '730      | '706      | '649         | '833  | '859      | '865      | '775         |
| August . .   | '723  | '709      | '723      | '738      | '679         | '741  | '765      | '772      | '693                     | '730  | '725      | '714      | '749      | '715         | '828  | '851      | '856      | '776         |
| September .  | '738  | '750      | '742      | '736      | '706         | '743  | '774      | '733      | '677                     | '694  | '728      | '692      | '695      | '645         | '827  | '850      | '839      | '793         |
| October . .  | '731  | '734      | '724      | '740      | '708         | '782  | '815      | '829      | '696                     | '710  | '759      | '718      | '702      | '649         | '843  | '850      | '894      | '786         |
| November .   | '558  | '578      | '554      | '554      | '536         | '606  | '678      | '617      | '550                     | '558  | '597      | '552      | '550      | '540†        | '731  | '724      | '758      | '711         |
| December .   | '463  | '487      | '471      | '458      | '430         | '504  | '544      | '536      | '433                     | '482  | '537      | '490      | '465      | '449         | '609  | '568      | '662      | '596         |
| Year . . .   | '581  | '599      | '564      | '579      | '562         | '612  | '638      | '584      | ?                        | '560  | '594      | '543      | '558      | '528         | '798  | '800      | '842      | '753         |

\* Mean of 27 days.

† Mean of 29 days.

## 103. MERCARA.

## 104. BANGALORE.

## 105. CUDDAPAH.

## 106. MADRAS.

| MONTH.       | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | 22 hours. | From Minima.          | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | 22 hours. | From Minima. |
|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|-----------|-----------------------|-------|-----------|-----------|--------------|-------|-----------|-----------|-----------|--------------|
| January . .  | '527  | '538      | '628      | '415         | '447  | '469      | '400      | '429      | Shade min. imperfect. | '533  | '552      | '507      | '547         | '646  | '660      | '652      | '657      | '616         |
| February . . | '380  | '406      | '385      | '349         | '413  | '428      | '368      | '412      | '434                  | '537  | '569      | '551      | '516         | '666  | '668      | '673      | '673      | '631         |
| March . . .  | '454  | '462      | '467      | '434         | '499  | '534      | '465      | '497      | '483                  | '578  | '618      | '502      | '626         | '789  | '770      | '809      | '801      | '761         |
| April . . .  | '597  | '592      | '642      | '557         | '548  | '622      | '474      | '532      | '531                  | '571  | '630      | '474      | '598         | '878  | '824      | '906      | '911      | '853         |
| May . . .    | '631  | '650      | '668      | '576         | '646  | '700      | '648      | '606      | '597                  | '679  | '706      | '606      | '724         | '897  | '844      | '903      | '949      | '861         |
| June . . .   | '625  | '660      | '639      | '575         | '646  | '674      | '659      | '618      | '606                  | '724  | '737      | '691      | '747         | '879  | '848      | '923      | '901      | '830         |
| July . . .   | '597  | '620      | '614      | '556         | '644  | '657      | '668      | '619      | '608                  | '732  | '727      | '699      | '769         | '850  | '840      | '868      | '868      | '794         |
| August . .   | '585  | '605      | '609      | '542         | '634  | '641      | '643      | '621      | '611                  | '743  | '742      | '722      | '764         | '848  | '827      | '868      | '862      | '817         |
| September .  | '602  | '628      | '631      | '546         | '634  | '653      | '637      | '625      | '604                  | '749  | '763      | '706      | '778         | '815  | '806      | '866      | '894      | '809         |
| October . .  | '586  | '617      | '616      | '526         | '616  | '623      | '608      | '609      | '594                  | '758  | '758      | '741      | '775         | '866  | '867      | '875      | '889      | '814         |
| November .   | '495  | '512      | '522      | '452         | '504  | '529      | '491      | '499      | '493                  | '656  | '673      | '626      | '679         | '761  | '759      | '759      | '767      | '740         |
| December .   | '446  | '469      | '457      | '411         | '466  | '477      | '462      | '459      | '453                  | '588  | '611      | '573      | '588         | '706  | '708      | '722      | '696      | '674         |
| Year . . .   | '544  | '563      | '573      | '495         | '558  | '584      | '544      | '544      | ?                     | '654  | '674      | '617      | '676         | '800  | '785      | '819      | '822      | '767         |



TABLE XI.—TENSION OF ATMOSPHERIC VAPOUR IN 1886.

## 107. SALEM.

## 108. WELLINGTON.

## 109. CALICUT.

## 110. COIMBATORE.

| MONTH.      | Mean. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima.                | Mean. | 10 hours. | 16 hours. | From Minima. |
|-------------|-------|-----------|-----------|-----------|--------------|-------|-----------|-----------|-----------|--------------|-------|-----------|-----------|-----------------------------|-------|-----------|-----------|--------------|
| January .   | '668  | '774      | '764      | '731      | '418         | '365  | '390      | '447      | '371      | '270         | ?     | '727      | '743      | Shade minimum not recorded. | '634  | '616      | '766      | '551         |
| February .  | '661  | '723      | '745      | '727      | '476         | '277  | '249      | '319      | '331      | '218         | ?     | '720      | '755      |                             | '653  | '630      | '830      | '546         |
| March .     | '743  | '800      | '780      | '772      | '607         | '345  | '321      | '360      | '374      | '305         | ?     | '820      | '886      |                             | '717  | '723      | '799      | '643         |
| April .     | '826  | '871      | '782      | '827      | '744         | '368  | '337      | '374      | '393      | '349         | ?     | '868      | '923      |                             | '653  | '729      | '590      | '654         |
| May .       | '848  | '900      | '877      | '842      | '729         | '472  | '468      | '507      | '468      | '424         | ?     | '903      | '932      |                             | '684  | '779      | '748      | '543         |
| June .      | '807  | '822      | '843      | '819      | '707         | '453  | '473      | '498      | '440      | '390         | ?     | '882      | '888      |                             | '675  | '773      | '739      | '536         |
| July .      | '789  | '816      | '813      | '826      | '665         | '462  | '469      | '499      | '453      | '413         | ?     | '828      | '838      |                             | '662  | '748      | '746      | '513         |
| August .    | '770  | '799      | '812      | '809      | '624         | '451  | '462      | '493      | '442      | '398         | ?     | '820      | '827      |                             | '662  | '744      | '751      | '515         |
| September . | '783  | '817      | '853      | '815      | '622         | '454  | '475      | '484      | '454      | '391         | ?     | '826      | '842      |                             | '694  | '764      | '815      | '533         |
| October .   | '777  | '813      | '832      | '810      | '627         | '436  | '451      | '481      | '429      | '373         | ?     | '826      | '838      |                             | '660  | '731      | '744      | '533         |
| November .  | '718  | '793      | '819      | '756      | '524         | '395  | '412      | '441      | '399      | '328         | ?     | '785      | '810      |                             | '612  | '691      | '702      | '479         |
| December .  | '632  | '697      | '717      | '661      | '472         | '336  | '351      | '366      | '344      | '276         | ?     | '718      | '760      |                             | '528  | '608      | '609      | '407         |
| Year .      | '752  | '802      | '803      | '783      | '601         | '401  | '405      | '439      | '408      | '345         | ?     | '810      | '837      |                             | '653  | '711      | '737      | '538         |

## 111. TRICHINOPOLY.

## 112. NEGAPATAM.

## 113. MADURA.

## 114. COCHIN.

| MONTH.      | Mean. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | 22 hours. | From Minima. |
|-------------|-------|-----------|-----------|-----------|--------------|-------|-----------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|-----------|--------------|
| January .   | '637  | '689      | '660      | '693      | '588         | '724  | '734      | '743      | '743      | '680         | '667  | '670      | '722      | '618         | '723  | '717      | '734      | '761      | '675         |
| February .  | '636  | '646      | '596      | '704      | '593         | '710  | '729      | '726      | '712      | '676         | '673  | '657      | '747      | '629         | '708  | '667      | '731      | '767      | '659         |
| March .     | '713  | '716      | '635      | '772      | '719         | '813  | '837      | '833      | '813      | '760         | '731  | '710      | '770      | '728         | '830  | '811      | '836      | '848      | '809         |
| April .     | '752  | '758      | '705      | '767      | '748         | '920  | '918      | '935      | '944      | '865         | '790  | '783      | '815      | '786         | '887  | '885      | '898      | '888      | '853         |
| May .       | '798  | '774      | '772      | '824      | '776         | '907  | '866      | '939      | '946      | '851         | '775  | '773      | '808      | '753         | '895  | '911      | '912      | '895      | '837         |
| June .      | '760  | '756      | '738      | '779      | '745         | '864  | '819      | '894      | '897      | '826         | '733  | '724      | '762      | '721         | '879  | '893      | '896      | '886      | '818         |
| July .      | '763  | '755      | '748      | '796      | '728         | '847  | '822      | '863      | '880      | '796         | '708  | '725      | '727      | '678         | '830  | '848      | '845      | '824      | '784         |
| August .    | '807  | '790      | '790      | '813      | '707         | '853  | '822      | '885      | '891      | '789         | '700  | '729      | '718      | '664         | '820  | '838      | '830      | '818      | '783         |
| September . | '789  | '785      | '785      | '834      | '729         | '862  | '843      | '886      | '888      | '808         | '713  | '748      | '736      | '664         | '828  | '844      | '831      | '842      | '779         |
| October .   | '763  | '754      | '745      | '819      | '710         | '851  | '848      | '884      | '870      | '801         | '698  | '728      | '717      | '658         | '831  | '840      | '848      | '844      | '776         |
| November .  | '750  | '756      | '732      | '809      | '691         | '777  | '802      | '761      | '778      | '763         | '695  | '722      | '701      | '669         | '798  | '805      | '797      | '819      | '763         |
| December .  | '655  | '675      | '668      | '689      | '584         | '713  | '736      | '715      | '721      | '679         | '600  | '614      | '587      | '593         | '704  | '677      | '697      | '760      | '671         |
| Year .      | '735  | '738      | '715      | '775      | '693         | '820  | '815      | '839      | '840      | '775         | '707  | '715      | '734      | '680         | '811  | '811      | '821      | '829      | '767         |

TABLE XI.—TENSION OF ATMOSPHERIC VAPOUR IN 1886.

| STATIONS.                   | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|-----------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| 115. Colombo . . . . .      | '751     | '723      | '799   | '848   | '888 | '834  | '807  | '779    | '779       | '796     | '759      | '706      | '789  |
| 116. Jaffna . . . . .       | '726     | '706      | '781   | '892   | '994 | 1'026 | '973  | '865    | '857       | '874     | '795      | '731      | '852  |
| 117. Trincomalee . . . . .  | '801     | '807      | '863   | '832   | '837 | '837  | '812  | '754    | '782       | '790     | '766      | '766      | '804  |
| 118. Batticaloa . . . . .   | '812     | '774      | '815   | '834   | '865 | '847  | '812  | '788    | '804       | '788     | '756      | '725      | '802  |
| 119. Hambantota . . . . .   | '818     | '777      | ?      | '883   | ?    | ?     | ?     | ?       | ?          | ?        | ?         | '777      | ?     |
| 120. Galle . . . . .        | '874     | '829      | '897   | '958   | '955 | '965  | '937  | '891    | '906       | '906     | '885      | '826      | '902  |
| 121. Kandy . . . . .        | '666     | '620      | '620   | '684   | '731 | '736  | ?     | '687    | '699       | '699     | '657      | '615      | ?     |
| 122. Newera Eliya . . . . . | '394     | '345      | '351   | '382   | '500 | '459  | '446  | '430    | '427       | '439     | '396      | '373      | '412  |

## 123. MANDALAY.

## 124. AKYAB.

## 125. THAYETMYO.

## 126. TOUNGOO.

| MONTH.              | Mean.                                | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|---------------------|--------------------------------------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . . . . .   | Observatory opened in November 1886. |           |           |              | '593  | '592      | '738      | '450         | '491  | '551      | '521      | '400         | '518  | '565      | '581      | '407         |
| February . . . . .  |                                      |           |           |              | '492  | '517      | '539      | '419         | '464  | '525      | '468      | '398         | '536  | '608      | '568      | '431         |
| March . . . . .     |                                      |           |           |              | '676  | '705*     | '730*     | '592*        | '546  | '602      | '518      | '517         | '653  | '734      | '695      | '530         |
| April . . . . .     |                                      |           |           |              | '808  | '830      | '842      | '752         | '687  | '755      | '686      | '620         | '671  | '780      | '615      | '618         |
| May . . . . .       |                                      |           |           |              | '895  | '912†     | '946†     | '828‡        | '844  | '863      | '849      | '819         | '841  | '906      | '848      | '768         |
| June . . . . .      |                                      |           |           |              | '921  | '950      | '978      | '834         | '916  | '954      | '937      | '858         | '883  | '932      | '938      | '778         |
| July . . . . .      |                                      |           |           |              | '903  | '940      | '939      | '829§        | '907  | '945      | '928      | '847         | '868  | '928      | '910      | '765         |
| August . . . . .    |                                      |           |           |              | '877  | '900      | '905      | '825         | '910  | '954      | '921      | '854         | '872  | '934      | '923      | '758         |
| September . . . . . |                                      |           |           |              | '884  | '910†     | '906‡     | '835‡        | '890  | '920      | '901      | '848         | '887  | '948      | '935      | '778         |
| October . . . . .   |                                      |           |           |              | '876  | '918      | '904      | '807         | '931  | '973      | 1'008     | '813         | '867  | '941      | '928      | '731         |
| November . . . . .  | '667                                 | '712      | '703      | '585         | '730  | '764†     | '745      | '680         | '744  | '779      | '814      | '640         | '732  | '784      | '799      | '613         |
| December . . . . .  | '541                                 | '582      | '580      | '461         | '550  | '602      | '561      | '486         | '562  | '619      | '620      | '446         | '572  | '634      | '641      | '440         |
| Year . . . . .      | ?                                    | ?         | ?         | ?            | '767  | '795      | '811      | '695         | '741  | '787      | '764      | '672         | '742  | '808      | '782      | '635         |

\* Mean of 30 days.

† „ „ 28 „

‡ Mean of 29 days.

§ „ „ 23 „

TABLE XI.—TENSION OF ATMOSPHERIC VAPOUR IN 1886.

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## 127. BASSEIN.

## 128. DIAMOND ISLAND.

## 129. RANGOON.

## 130. MOULMEIN.

| MONTH.        | Mean. | 10 hours. | 16 hours. | From Minima. | Mean.      | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|---------------|-------|-----------|-----------|--------------|------------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . .   | '555  | '578      | '569      | '517         | '659       | '675*     | '659*     | '643*        | '562  | '634      | '559      | '494         | '573  | '612      | '572      | '535         |
| February . .  | '565  | '611      | '537      | '548         | '682       | '689      | '677†     | '680         | '586  | '671      | '541      | '545         | '632  | '700      | '585      | '611         |
| March . .     | '676  | '691      | '648      | '689         | '754       | '755      | '756*     | '752         | '708  | '739      | '733      | '651         | '734  | '780      | '716      | '707         |
| April . .     | '769  | '774      | '737      | '796         | '847       | '838      | '849      | '853         | '756  | '764      | '748      | '756         | '778  | '806      | '749      | '779         |
| May . .       | '878  | '888      | '869      | '876         | Imperfect. |           |           |              | '890  | '922      | '894      | '854         | '884  | '915      | '894      | '842         |
| June . .      | '907  | '931      | '917      | '874         | '865       | '916      | '900      | '779         | '908  | '951      | '918      | '856         | '877  | '910      | '898      | '823         |
| July . .      | '897  | '927      | '904      | '860*        | '866       | '910      | '901      | '788         | '898  | '952      | '899      | '842         | '867  | '907      | '886      | '808         |
| August . .    | '890  | '901      | '906      | '864         | '875       | '894      | '895      | '837         | '895  | '934      | '906      | '844         | '873  | '903      | '900      | '816         |
| September . . | '893  | '918      | '897      | '863         | '882       | '904      | '887      | '855         | '900  | '951      | '900      | '849         | '876  | '896      | '905      | '827         |
| October . .   | '879  | '914      | '889      | '834         | '880       | '904*     | '870*     | '865*        | '893  | '947      | '901      | '832         | '883  | '917      | '907      | '825         |
| November . .  | '763  | '781      | '773      | '734         | '792       | '806      | '788      | '782         | '752  | '789      | '770      | '697         | '704  | '727      | '720      | '664         |
| December . .  | '620  | '638      | '635      | '587         | '666       | '678      | '653      | '668         | '610  | '676      | '617      | '536         | '533  | '556      | '521      | '523*        |
| Year . .      | '774  | '796      | '773      | '754         | ?          | ?         | ?         | ?            | '780  | '828      | '782      | '730         | '768  | '802      | '771      | '730         |

\* Mean of 30 days.

† „ „ 27 „

## 131. MERGUI.

## 132. COCOS ISLAND.

## 133. PORT BLAIR.

## 134. NANCOWRY.

| MONTH.        | Mean. | 10 hours. | 16 hours. | From Minima. | Mean.                                       | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|---------------|-------|-----------|-----------|--------------|---------------------------------------------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . .   | '668  | '699      | '736      | '568         | Not recorded.                               |           |           |              | '774  | '807      | '796      | '719         | '808  | '830      | '816      | '777         |
| February . .  | '827  | '837      | '909      | '736         | Ditto.                                      |           |           |              | '835  | '868      | '881      | '755         | '838  | '851      | '848      | '814         |
| March . .     | '903  | '940      | '1'021    | '749         | Ditto.                                      |           |           |              | '897  | '920      | '972      | '799         | '845  | '852      | '853      | '830         |
| April . .     | '909  | '959      | '990      | '779         | Ditto.                                      |           |           |              | '948  | '977      | '997      | '869         | '900  | '903      | '914      | '883         |
| May . .       | '865  | '926      | '901      | '768         | } Wet bulb thermometers<br>untrustworthy. { |           |           |              | '961  | '1'023    | '1'004    | '856         | '933  | '990      | '940      | '868         |
| June . .      | '844  | '890      | '884      | '759         |                                             |           |           |              | '924  | '967      | '956      | '849         | '911  | '963      | '940      | '830         |
| July . .      | '841  | '882      | '885      | '757         | '931                                        | '944*     | '951*     | '899*        | '920  | '964      | '969      | '827         | '912  | '970      | '939      | '826         |
| August . .    | '838  | '877      | '877      | '760         | '925                                        | '933      | '942      | '901         | '913  | '958      | '952      | '828         | '878  | '934      | '895      | '805         |
| September . . | '830  | '872      | '865      | '752         | '922                                        | '928      | '946      | '892         | '916  | '948      | '943      | '856         | '864  | '924†     | '878†     | '791†        |
| October . .   | '840  | '886      | '878      | '757         | '941                                        | '946      | '953†     | '923         | '913  | '952      | '954      | '833         | '866  | '913      | '876      | '808         |
| November . .  | '774  | '796      | '846      | '680         | '871                                        | '877      | '877      | '859         | '874  | '911      | '907      | '804         | '844  | '880      | '856      | '795         |
| December . .  | '625  | '650      | '707      | '519         | '775                                        | '769      | '781      | '774         | '787  | '792      | '797      | '773         | '755  | '777      | '760      | '727         |
| Year . .      | '814  | '851      | '875      | '715         | ?                                           | ?         | ?         | ?            | '889  | '924      | '927      | '814         | '863  | '899      | '876      | '813         |

\* Mean of 27 days.

† „ „ 30 „

‡ Mean of 29 days.

2 k 2

TABLE XII.—MEAN RELATIVE HUMIDITY OF THE AIR IN 1886. (134 STATIONS).

1. ADEN.

2. BUSHIRE.

3. AMINI DIVI.

4. QUETTA.

5. LEH.

| MONTH.    | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours.  | From Minima. | Mean.         | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | From Minima.                 |
|-----------|-------|-----------|-----------|--------------|-------|-----------|------------|--------------|---------------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|----------|-----------|-----------|-----------|------------------------------|
| January . | 76    | 76        | 69        | 82           | 74    | 75        | 66         | 82           | 78            | 72        | 72        | 94           | 76    | 73        | 66        | 89           | 72    | 79       | 65        | 68        | 76        | Shade min. not recorded.     |
| February  | 76    | 77*       | 69†       | 81*          | 74    | 74        | 64         | 84           | 78            | 71        | 73        | 93           | 71    | 66        | 60        | 87           | 76    | 76       | 73        | 69        | 84        |                              |
| March .   | 74    | 74‡       | 66‡       | 81§          | 70    | 69§       | 64††       | 76           | 73            | 65        | 64        | 93           | 62    | 55        | 51        | 80           | 65    | 78       | 55        | 54        | 73        |                              |
| April .   | 70    | 71‡       | 62‡       | 76‡          | 64    | 67        | 64         | 62           | Not received. |           |           |              | 48    | 35        | 31        | 77           | 50    | 68       | 44        | 33        | 54        |                              |
| May .     | 71    | 69        | 67¶       | 76¶          | 70    | 67        | 66         | 78           | Imperfect.    |           |           |              | 50    | 39        | 36        | 74           | 37    | 55       | 29        | 21        | 42        | Shade minimum untrustworthy. |
| June .    | ?     | 67**      | 59**      | Imperfect.   | 73    | 69        | 70         | 79           | 83            | 81        | 77        | 91           | 49    | 44        | 39        | 65           | 43    | 56       | 38        | 29        | 47        |                              |
| July .    | 64    | 68††      | 57        | 66††         | ?     | 72‡‡      | Imperfect. | 78           | 88            | 85        | 85        | 94           | 57    | 49        | 43        | 80           | 43    | 55       | 38        | 30        | 49        |                              |
| August .  | 61    | 62‡‡      | 54        | 66           | 72    | 70‡‡      | 66‡‡       | 79‡‡         | 87            | 85        | 83        | 94           | 51    | 42        | 35        | 76           | 47    | 59       | 40        | 32        | 55        |                              |
| September | 67    | 69        | 62        | 71           | 71    | 70        | 70         | 73           | 87            | 85        | 82        | 94           | 43    | 33        | 27        | 68           | 33    | 50       | 28        | 18        | 34        |                              |
| October . | 69    | 62††      | 63        | 81‡‡         | 67    | 60        | 66         | 76           | 81            | 80        | 75        | 90           | 46    | 35        | 31        | 72           | 39    | 60       | 31        | 16        | 47        |                              |
| November  | 68    | 66        | 60        | 77           | 64    | 57        | 64         | 70           | 80            | 75        | 75        | 92           | 48    | 37        | 32        | 76           | 41    | 57       | 30        | 24        | 51        |                              |
| December  | 70    | 68        | 63‡‡      | 79           | 67    | 63        | 61         | 76           | 77            | 70        | 70        | 93           | 63    | 58        | 48        | 84           | 50    | 55       | 46        | 45        | 54        |                              |
| Year .    | ?     | 69        | 63        | ?            | ?     | 68        | ?          | 76           | ?             | ?         | ?         | ?            | 55    | 47        | 42        | 77           | 50    | 62       | 43        | 37        | 56        |                              |

\* Mean of 26 days.

¶ Mean of 23 days.

† " " 25 "

\*\* " " 20 "

‡ " " 28 "

†† " " 29 "

§ " " 27 "

‡‡ " " 30 "

|| " " 24 "

6. MOOLTAN.

7. D. I. KHAN.

8. PESHAWAR.

9. MURREE.

10. RAWALPINDI.

| MONTH.     | Mean. | 10 hours.                      | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima.                |
|------------|-------|--------------------------------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|-----------------------------|
| January .  | 63    | 62                             | 47        | 81           | 58    | 71        | 50        | 52           | 70    | 69        | 56        | 85           | 65    | 59        | 69        | 66†          | 79    | 77        | 65        | 96                          |
| February . | 52    | 44                             | 39        | 73           | 40    | 49        | 32        | 40           | 61    | 55        | 43        | 85           | 71    | 64        | 71        | 78           | 73    | 72        | 54        | 93                          |
| March .    | 59    | 52                             | 47        | 77           | 52    | 56        | 43        | 57           | 66    | 62        | 51        | 85           | 64    | 58        | 66        | 67‡          | 65    | 61        | 49        | 86                          |
| April .    | 42    | 32                             | 26        | 68           | 37    | 37        | 25        | 49           | 58    | 50        | 44        | 79           | 46    | 38        | 43‡       | 57           | 51    | 42        | 31        | 80                          |
| May .      | 43    | 34                             | 25*       | 71           | 33    | 38        | 27        | 33           | 40    | 33        | 28        | 58           | 44    | 42        | 41        | 50           | 41    | 33        | 29        | 62                          |
| June .     | 52    | 44                             | 34        | 78           | 38    | 41        | 29        | 45           | 41    | 34        | 25        | 65           | 43    | 43        | 36        | 51           | 45    | 39‡       | 34‡       | 61*                         |
| July .     | 60    | 56                             | 46        | 79           | 58    | 61        | 49        | 64           | 58    | 57        | 43        | 74           | 86    | 84        | 82        | 92           | ?     | 63        | 52        | Shade min. not recorded. 87 |
| August .   | 59    | 58                             | 43        | 75           | 56    | 61        | 45        | 61           | 60    | 59        | 43        | 78           | 86    | 83        | 85        | 91           | 71    | 70        | 56        |                             |
| September  | 56    | 54                             | 37        | 77           | 45    | 49        | 33        | 53           | 51    | 46        | 36        | 71           | 61    | 56        | 57        | 70           | 52    | 45        | 36        | 75                          |
| October .  | 44    | 38                             | 25        | 69           | 36    | 40        | 26        | 41           | 50    | 45        | 33        | 72           | 46    | 43        | 45        | 51§          | 49    | 42        | 29        | 75                          |
| November   | 58    | 51                             | 35        | 88           | 44    | 52        | 33        | 48           | 56    | 53        | 40        | 74           | 40    | 35        | 42        | 43           | 49    | 42        | 29        | 76                          |
| December   | ?     | Wet bulb hygrometer imperfect. |           | 88           | 44    | 55        | 35        | 42           | 62    | 61        | 45        | 81           | 52    | 45        | 55        | 57           | 65    | 61        | 46        | 89                          |
| Year .     | ?     | ?                              | ?         | 77           | 45    | 51        | 36        | 49           | 56    | 52        | 41        | 76           | 59    | 54        | 58        | 64           | ?     | 54        | 43        | ?                           |

\* Mean of 27 days.

† Mean of 26 days.

|| Mean of 22 days.

‡ " " 29 "

§ " " 30 "

TABLE XII.—MEAN RELATIVE HUMIDITY OF THE AIR IN 1886.

11. SIALKOT.

12A. LAHORE (New).

12B. LAHORE (Old).

13. LUDHIANA.

| MONTH.    | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|-----------|-------|-----------|-----------|--------------|-------|----------|-----------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January   | 82    | 84        | 69        | 92*          | 80    | 93       | 76        | 60        | 92        | 97           | 76    | 74        | 62        | 92           | 81    | 79        | 67        | 96*          |
| February  | 70    | 70        | 49        | 91           | 58    | 78       | 51        | 31        | 72        | 87           | 55    | 52        | 38        | 76           | 62    | 57        | 39        | 90           |
| March     | 71    | 67        | 58        | 88           | 66    | 83       | 58        | 45        | 76        | 88           | 63    | 58        | 48        | 82           | 64    | 58        | 47        | 88           |
| April     | 43    | 37        | 28        | 63           | 41    | 59       | 32        | 21        | 51        | 66           | 39    | 33        | 23        | 62           | 38    | 26        | 19        | 68           |
| May       | 46    | 37        | 29        | 60           | 39    | 57       | 30        | 21        | 46        | 60           | 40    | 34        | 26        | 59           | 43    | 35        | 28        | 65           |
| June      | 50    | 48        | 40        | 61           | 49    | 62       | 44        | 35        | 53        | 63           | 50    | 48        | 38        | 65           | 41    | 43†       | 35†       | 55           |
| July      | 77    | 76        | 65        | 90           | 76    | 86       | 73        | 62        | 81        | 88           | 76    | 75        | 64        | 88           | 72    | 73        | 63        | 79           |
| August    | 77    | 75        | 63        | 93           | 72    | 87       | 65        | 54        | 80        | 86           | 70    | 66        | 56        | 88           | 71    | 71        | 61        | 82           |
| September | 61    | 55        | 43        | 84           | 56    | 76       | 46        | 36        | 66        | 79           | 55    | 49        | 39        | 78           | 58    | 53        | 43        | 77           |
| October   | 59    | 55        | 39        | 83           | 59    | 80       | 46        | 36        | 73        | 84           | 57    | 50        | 41        | 80           | 61    | 54        | 43        | 85           |
| November  | 61    | 53        | 42        | 89           | 63    | 85       | 48        | 38        | 80        | 87           | 61    | 52        | 45        | 87           | 56    | 49        | 37        | 83           |
| December  | 72    | 71        | 55        | 91           | 61    | 82       | 49        | 38        | 75        | 88           | 62    | 56        | 46        | 83           | 59    | 55        | 41        | 82           |
| Year      | 64    | 61        | 48        | 82           | 60    | 77       | 52        | 40        | 70        | 81           | 59    | 54        | 44        | 78           | 59    | 54        | 44        | 79           |

\* Mean of 30 days.

† Mean of 27 days.

14. CHAMBA.

15. KAILANG.

16. SIMLA.

17. DELHI.

18. SIRSA.

| MONTH.    | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima.             | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|-----------|-------|----------|-----------|-----------|-----------|--------------|-------|-----------|-----------|--------------------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January   | 71    | 78*      | 70        | 62        | 74        | 81           | ...   | 72        | 71        | Shade min. not recorded. | 64    | 57        | 71        | 65           | 65    | 66        | 46        | 83           | 64    | 70†       | 49†       | 74           |
| February  | 66    | 77       | 65        | 53        | 70        | 77           | ...   | 71        | 68        |                          | 59    | 53        | 57        | 66           | 47    | 42        | 31        | 68           | 45    | 41‡       | 27‡       | 68           |
| March     | 65    | 74       | 62        | 53        | 69        | 78           | ...   | 67        | 63        |                          | 61    | 56        | 59        | 68           | 53    | 47        | 34        | 78           | 50    | 47        | 33        | 70           |
| April     | 48    | 61       | 46        | 32        | 52        | 67           | ...   | 60        | 59        |                          | 40    | 35        | 32        | 53           | 30    | 24        | 18        | 49           | 32    | 27        | 21        | 47           |
| May       | 53    | 65       | 48        | 42        | 57        | 71           | ...   | 44        | 40        |                          | 56    | 53        | 50        | 66           | 39    | 33        | 25        | 59           | 36    | 31        | 26        | 50           |
| June      | 49    | 60       | 46        | 36        | 55        | 67           | ...   | 40        | 30        |                          | 61    | 59*       | 55        | 70*          | 51    | 47        | 38        | 67           | 46    | 43        | 34        | 60           |
| July      | 82    | 91       | 79        | 72        | 84        | 93           | ...   | 64        | 50        |                          | 94    | 95        | 94        | 93           | 77    | 74        | 69        | 89           | 68    | 65        | 56        | 83           |
| August    | 81    | 90       | 77        | 72        | 85        | 91           | ...   | 61        | 46        |                          | 92    | 93†       | 92        | 92†          | 77    | 75        | 66        | 89           | 62    | 58        | 47        | 82           |
| September | 65    | 77       | 57        | 55        | 71        | 80           | ...   | 36        | 29        |                          | 69    | 69        | 64        | 74           | 58    | 52        | 46        | 75           | 48    | 48        | 32        | 64           |
| October   | 55    | 68       | 50        | 44        | 59        | 73           | ...   | 32        | 27        |                          | 57    | 54        | 56        | 60           | 55    | 47        | 40        | 79           | 43    | 39        | 25        | 64           |
| November  | 52    | 61       | 46        | 47        | 53        | 68           | ...   | 22        | 18        |                          | 44    | 38        | 44        | 50           | 48    | 41        | 29        | 75           | 43    | 39        | 26        | 63           |
| December  | 52    | 56       | 53        | 44        | 53        | 64           | ...   | 51        | 69        |                          | 49    | 44        | 51        | 52           | 52    | 49        | 36        | 72           | 42    | 40        | 23        | 64           |
| Year      | 62    | 72       | 58        | 51        | 65        | 76           | ...   | 52        | 48        |                          | 62    | 59        | 60        | 67           | 54    | 50        | 40        | 74           | 48    | 46        | 33        | 66           |

\* Mean of 29 days.

† Mean of 30 days.

‡ Mean of 23 days.

§ " " 21 "

TABLE XII.—MEAN RELATIVE HUMIDITY OF THE AIR IN 1886.

## 19. CHAKRATA.

## 20 A. DEHRA (TRIGL. S. O.)

## 20 B. DEHRA (FOREST SCHOOL).

## 21. MUSSOOREE (TRIGL. S. O.)

## 22. ROORKEE.

| MONTH.     | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 9½ hours. | 15½ hours. | From Minima.                | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|------------|-------|-----------|-----------|--------------|-------|-----------|------------|-----------------------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January .  | 65    | 61        | 70        | 65*          | ...   | 77        | 57         | Shade minimum not recorded. | 72    | 70        | 58        | 89           | ...   | ...       | ...       | ...          | 74    | 81        | 60        | 82           |
| February . | 61    | 60        | 55        | 68           | ...   | 69        | 43         |                             | 61    | 55        | 39        | 88           | ...   | ...       | ...       | ...          | 57    | 60        | 34        | 77           |
| March .    | 63    | 57        | 60        | 73           | ...   | 64        | 48         |                             | 61    | 54        | 45        | 85           | ...   | ...       | ...       | ...          | 53    | 52        | 37        | 69           |
| April .    | 33    | 31        | 27        | 40           | ...   | 36        | 24         |                             | 42    | 33        | 24        | 68           | ...   | ...       | ...       | ...          | 28    | 23        | 15        | 46           |
| May .      | 62    | 56        | 59        | 70           | ...   | 47        | 38         |                             | 51    | 42        | 35        | 76           | ...   | ...       | ...       | ...          | 42    | 39        | 32        | 54           |
| June .     | 66    | 60        | 59        | 78           | ...   | 56        | 48         |                             | 58    | 52        | 47        | 76           | ...   | ...       | ...       | ...          | 50    | 49        | 40        | 62           |
| July .     | 94    | 92        | 91†       | 98           | ...   | 85        | 81         |                             | 84    | 79        | 80        | 93           | ...   | ...       | ...       | ...          | 79    | 75        | 71        | 91           |
| August .   | 93    | 90        | 92*       | 96           | ...   | 88        | 80         |                             | 84    | 82        | 79        | 92           | ...   | ...       | ...       | ...          | 80    | 79        | 70        | 91           |
| September  | 78    | 72        | 84        | 77           | ...   | 80        | 69         |                             | 73    | 70        | 61        | 88           | ...   | ...       | ...       | ...          | 72    | 69        | 56        | 91           |
| October .  | 63    | 55        | 58        | 75           | ...   | 67        | 55         |                             | 64    | 55        | 50        | 87           | ...   | ...       | ...       | ...          | 60    | 52        | 39        | 88           |
| November   | 57    | 47        | 56        | 68           | ...   | 66        | 48         |                             | 60    | 49        | 42        | 88           | ...   | ...       | ...       | ...          | 60    | 51        | 38        | 90           |
| December   | 49    | 40        | 49        | 57           | ...   | 63        | 46         |                             | 62    | 55        | 46        | 84           | 64    | 47        | 59        | 55           | 62    | 58        | 40        | 88           |
| Year .     | 65    | 60        | 63        | 72           | ...   | 67        | 53         |                             | 64    | 58        | 51        | 85           | ?     | ?         | ?         | ?            | 60    | 57        | 44        | 77           |

\* Mean of 30 days.

† „ „ 28 „

## 23. RANIKHET.

## 24. PITHORAGARH.

## 25. MEERUT.

## 26. BAREILLY.

## 27. AGRA.

| MONTH.     | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January .  | 66    | 71        | 65        | 63           | 69    | 73        | 54        | 81           | 73    | 70        | 52        | 97           | 76    | 78        | 59        | 92           | 63    | 60        | 43        | 86           |
| February . | 58    | 61        | 56        | 56           | 56    | 59        | 37        | 72           | 50    | 41        | 27        | 82           | 60    | 59        | 37        | 84           | 39    | 36        | 22        | 59           |
| March .    | 66    | 66        | 66        | 66           | 64    | 66        | 50        | 77           | 53    | 49        | 33        | 78           | 64    | 59        | 48        | 84           | 46    | 43        | 28        | 66           |
| April .    | 39    | 39        | 38        | 40           | 43    | 43        | 30        | 56           | 31    | 22        | 15        | 55           | 40    | 32        | 23        | 66           | 27    | 23        | 16        | 42           |
| May .      | 64    | 61        | 60        | 72           | 66    | 66        | 54        | 79           | 46    | 41        | 30        | 66           | 50    | 46        | 35        | 69           | 36    | 34        | 21        | 53           |
| June .     | 66    | 64        | 60        | 73           | 69    | 70        | 57        | 80           | 59    | 54        | 49        | 73           | 62    | 60        | 50        | 76           | 52    | 52        | 41        | 64           |
| July .     | 87    | 84        | 84        | 93           | 85    | 85        | 76        | 93           | 80    | 78        | 74        | 89           | 86    | 84        | 81        | 92           | 79    | 79        | 72        | 87           |
| August .   | 88    | 87        | 86        | 92           | 86    | 85        | 79        | 93           | 79    | 76        | 70        | 92*          | 81    | 77        | 72        | 94           | 81    | 79        | 75        | 90           |
| September  | 78    | 75        | 73        | 86           | 79    | 82        | 64        | 91           | 66    | 61        | 53        | 85†          | 76    | 74        | 63        | 92           | 66    | 62        | 57        | 78           |
| October .  | 61    | 62        | 57        | 63           | 65    | 67        | 47        | 81           | 61    | 52        | 45        | 85           | 68    | 63        | 48        | 92           | 57    | 54        | 43        | 73           |
| November   | 59    | 58        | 56        | 63           | 61    | 62        | 44        | 76           | 57    | 48        | 41        | 81           | 65    | 61        | 46        | 87           | 48    | 42        | 33        | 70           |
| December   | 56    | 57        | 56        | 56           | 59    | 60        | 45        | 72           | 60    | 58        | 42        | 80           | 67    | 65        | 48        | 87           | 52    | 50        | 37        | 70           |
| Year .     | 66    | 65        | 63        | 69           | 67    | 68        | 53        | 79           | 60    | 54        | 44        | 80           | 66    | 63        | 51        | 85           | 54    | 51        | 41        | 70           |

\* Mean of 30 days.

† „ „ 29 „

TABLE XII.—MEAN RELATIVE HUMIDITY OF THE AIR IN 1886.

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## 28. LUCKNOW.

## 29. GORAKHPUR.

## 30. JHANSI.

## 31. ALLAHABAD.

| MONTH.        | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | From Minima. |
|---------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|----------|-----------|-----------|-----------|--------------|
| January . .   | 65    | 64        | 50        | 80           | 73    | 70        | 56        | 92           | 58    | 52        | 38        | 84           | 70    | 91       | 62        | 44        | 82        | 93           |
| February . .  | 41    | 37        | 25        | 60           | 57    | 50        | 38        | 84           | 40    | 29        | 19        | 72           | 46    | 67       | 39        | 25        | 55        | 72           |
| March . .     | 46    | 37        | 29        | 72           | 55    | 47        | 33        | 85           | 43    | 33        | 25        | 71           | 51    | 71       | 43        | 31        | 59        | 73           |
| April . .     | 28    | 20        | 17        | 47           | 38    | 32        | 21        | 62           | 23    | 15        | 11        | 44           | 32    | 49       | 27        | 19        | 32        | 50           |
| May . .       | 47    | 40        | 32        | 68           | 57    | 55        | 41        | 76           | 32    | 24        | 20        | 51           | 43    | 64       | 38        | 25        | 46        | 64           |
| June . .      | 63    | 56        | 52        | 82*          | 66    | 64        | 53        | 82           | 53    | 47        | 42        | 70           | 55    | 67       | 51        | 43        | 59        | 68           |
| July . .      | 83    | 80        | 76        | 92           | 85    | 83        | 79        | 94           | 83    | 80        | 77        | 91           | 85    | 95       | 81        | 75        | 89        | 91           |
| August . .    | 81    | 77        | 74        | 91           | 85    | 82        | 79        | 93           | 82    | 77        | 71        | 97           | 82    | 93       | 78        | 72        | 87        | 93           |
| September . . | 76    | 70        | 66        | 92           | 82    | 79        | 75        | 93           | 65    | 59        | 53        | 82           | 82    | 94       | 75        | 68        | 90        | 95           |
| October . .   | 72    | 63        | 62        | 90           | 76    | 71        | 65        | 92           | 70    | 66        | 57        | 88           | 78    | 94       | 72        | 56        | 89        | 95           |
| November . .  | 59    | 47        | 43        | 87           | 68    | 60        | 54        | 91           | 47    | 42        | 31        | 68           | 63    | 91       | 50        | 35        | 77        | 92           |
| December . .  | 63    | 57        | 48        | 83           | 75    | 69        | 64        | 93           | 48    | 43        | 32        | 68           | 70    | 90       | 62        | 46        | 83        | 93           |
| Year . .      | 60    | 54        | 48        | 79           | 68    | 64        | 55        | 86           | 54    | 47        | 40        | 74           | 63    | 81       | 57        | 45        | 71        | 82           |

\* Mean of 29 days.

## 32. BENARES.

## 33. GHAZIPUR.

## 34. KATMANDU.

## 35. SIBSAGAR.

| MONTH.        | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima.          | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|---------------|-------|-----------|-----------|--------------|-------|-----------|-----------|-----------------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . .   | 63    | 59        | 42        | 89           | 60    | 63        | 42        | 76*                   | 73    | 70        | 59        | 90           | 88    | 93        | 71        | 99           |
| February . .  | 40    | 33        | 20†       | 68           | 38    | 37        | 21        | 55†                   | 64    | 56        | 46        | 90           | 77    | 76        | 59        | 96           |
| March . .     | 45    | 38        | 25        | 73           | ?     | 40        | 20        | Shade min. imperfect. | 61    | 48        | 43        | 91           | 75    | 73        | 59        | 94           |
| April . .     | 26    | 18        | 10        | 49           | 34    | 21        | 13        | 68†                   | 58    | 43        | 39        | 92           | 77    | 75        | 62        | 94           |
| May . .       | 43    | 39        | 25        | 64           | 50    | 42        | 31        | 78                    | 70    | 63        | 53        | 94           | 79    | 78        | 66        | 94           |
| June . .      | 54    | 51        | 43        | 69           | 60    | 55        | 46        | 78                    | 72    | 65        | 57        | 94           | 83    | 82        | 72        | 94           |
| July . .      | 84    | 84        | 76        | 91           | 82    | 80        | 74        | 91                    | 78    | 72        | 69        | 94           | 85    | 87        | 74        | 94           |
| August . .    | 81    | 79        | 74        | 90           | 80    | 78        | 73        | 90                    | 82    | 76        | 75        | 95           | 87    | 87        | 80        | 95           |
| September . . | 80    | 78        | 71        | 91           | 81    | 77*       | 74*       | 93                    | 78    | 70        | 71        | 94           | 89    | 89        | 82        | 95           |
| October . .   | 73    | 69        | 60        | 91           | 72    | 65†       | 62†       | 90                    | 72    | 63        | 61        | 93           | 86    | 84        | 79        | 94           |
| November . .  | 62    | 54        | 43        | 89           | 60    | 51        | 42        | 86                    | 71    | 64        | 57        | 91†          | 83    | 84        | 70        | 95           |
| December . .  | 65    | 60        | 47        | 88           | 66    | 63        | 52        | 83                    | 69    | 65        | 55        | 88†          | 86    | 90        | 72        | 95           |
| Year . .      | 60    | 55        | 45        | 79           | ?     | 56        | 46        | ?                     | 71    | 63        | 57        | 92           | 83    | 83        | 71        | 95           |

\* Mean of 28 days.

† Mean of 26 days.

† " " 27 "

TABLE, XII.—MEAN RELATIVE HUMIDITY OF THE AIR IN 1886.

## 36. TEZPUR.

## 37. DHUBRI.

## 38. TURA.

## 39. SILCHAR.

| MONTH.          | Mean.                                  | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|-----------------|----------------------------------------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . . .   | ?                                      | 83        | 77        | ?            | 73    | 76        | 49        | 93           | ...   | 62†       | 53        |              | 74    | 80        | 48        | 94           |
| February . . .  | ?                                      | 88        | 86        | ?            | 61    | 61        | 37        | 85           | ...   | 50        | 37        |              | 66    | 64        | 41        | 92           |
| March . . .     | ?                                      | 74        | 71        | ?            | 57    | 57        | 35        | 78           | ...   | 52        | 40        |              | 72    | 73        | 53        | 91           |
| April . . .     | Hygrometer observations untrustworthy. |           |           |              | 63    | 63        | 47        | 79           | ...   | 63        | 53        |              | 75    | 73        | 62        | 90           |
| May . . .       |                                        |           |           |              | 79    | 79        | 69        | 90           | ...   | 73        | 68        |              | 76    | 75        | 61        | 92           |
| June . . .      |                                        |           |           |              | 85    | 83        | 80        | 93           | ...   | 81        | 78        |              | 82    | 78        | 73        | 94           |
| July . . .      | ?                                      | 86*       | 82†       | ?            | 86    | 85        | 81        | 92           | ...   | 85        | 81        |              | 85    | 83        | 78        | 95           |
| August . . .    | 89                                     | 85‡       | 85§       | 97           | 86    | 87        | 81        | 91           | ...   | 86        | 86        |              | 86    | 84‡       | 78        | 95           |
| September . . . | 88                                     | 82        | 84        | 97           | 88    | 87        | 82        | 94           | ...   | 84        | 84        |              | 85    | 85        | 76        | 95           |
| October . . .   | 83                                     | 75        | 76        | 97           | 82    | 82        | 72        | 91           | ...   | 78        | 76        |              | 78    | 76        | 65        | 94           |
| November . . .  | 76                                     | 67        | 66        | 95           | 77    | 76        | 62¶       | 93           | ...   | 64        | 66        |              | 69    | 63        | 52        | 91           |
| December . . .  | 78                                     | 69        | 68        | 96           | 79    | 81        | 60        | 96           | ...   | 67        | 66        |              | 73    | 74        | 50        | 94           |
| Year . . .      | ?                                      | ?         | ?         | ?            | 76    | 76        | 63        | 90           | ...   | 70        | 66        |              | 77    | 76        | 61        | 93           |

\* Mean of 24 days.

† " " 23 "

‡ " " 30 "

§ Mean of 29 days.

¶ " " 26 "

|| " " 25 "

## 40. DARJEELING.

## 41. PEDONG.

## 42. PURNEAH.

## 43. DURBHUNGA.

| MONTH.          | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|-----------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . . .   | 82    | 79*       | 85†       | 83*          | 84    | 82*       | 79        | 92†          | ?     | 68        | 48        |              | 75    | 77        | 56        | 93           |
| February . . .  | 82    | 79        | 82        | 86           | 77    | 73        | 69        | 89           | ?     | 50        | 34        |              | 61    | 58‡       | 43        | 83‡          |
| March . . .     | 70    | 69*       | 66†       | 76           | 71    | 69        | 60        | 84           | ?     | 50        | 35        |              | 56    | 53†       | 37†       | 79†          |
| April . . .     | 69    | 65†       | 69‡       | 74†          | 68    | 65        | 61†       | 78           | ?     | 42        | 26        |              | 49    | 46        | 31        | 69†          |
| May . . .       | 88    | 89        | 85*       | 91           | 80    | 77        | 72        | 91           | ?     | 61†       | 53*       |              | 71    | 70        | 58        | 84           |
| June . . .      | 92    | 92        | 92†       | 93†          | 89    | 88        | 85        | 94           | ?     | 75        | 72        |              | 75    | 76        | 62        | 86           |
| July . . .      | 96    | 95        | 96*       | 96           | 93    | 92        | 91        | 97           | 82    | 84        | 79        | 84*          | 84    | 86        | 76        | 91           |
| August . . .    | 94    | 93        | 94*       | 96           | 94    | 93        | 92        | 97*          | 87    | 87        | 80        | 95*          | 87    | 88        | 82        | 91           |
| September . . . | 93    | 93        | 92§       | 95           | 93    | 89        | 92        | 97           | 89    | 88        | 84        | 96           | 87    | 87        | 81        | 92           |
| October . . .   | 89    | 88*       | 89§       | 90*          | 87    | 83        | 83        | 96           | 80    | 75        | 69        | 95           | 79    | 78        | 67        | 92           |
| November . . .  | 74    | 71        | 78†       | 73           | 80    | 74†       | 76‡       | 89§          | 73    | 70        | 57        | 91           | 71    | 69        | 53        | 90           |
| December . . .  | 82    | 80*       | 86*       | 81‡          | 81    | 75        | 78        | 91           | 75    | 74        | 61        | 91           | 75    | 77        | 59        | 90           |
| Year . . .      | 84    | 83        | 85        | 86           | 83    | 80        | 78        | 91           | ?     | 69        | 58        | ?            | 73    | 72        | 59        | 87           |

\* Mean of 30 days.

† " " 29 "

‡ Mean of 27 days.

§ " " 28 "

|| Mean of 26 days.



TABLE XII.—MEAN RELATIVE HUMIDITY OF THE AIR IN. 1886.

## 44. PATNA.

## 45. GYA.

## 46. HAZARIBAGH.

## 47. BERHAMPORE.

| MONTH.          | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima.             | Mean. | 10 hours.           | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|-----------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------------------|-------|---------------------|-----------|--------------|-------|-----------|-----------|--------------|
| January . . .   | 72    | 71        | 57        | 88           | 57    | 56        | 46        | 70                       | 52    | 49                  | 35        | 72           | 75    | 66        | 51        | 90           |
| February . . .  | 53    | 52        | 34        | 73           | 43    | 40        | 31        | 59*                      | 32    | 25                  | 19        | 46           | 57    | 45        | 29        | 75           |
| March . . .     | 49    | 44        | 31        | 72           | 51    | 44        | 34        | 74                       | 41    | 35                  | 26        | 56           | 61    | 57        | 36        | 76           |
| April . . .     | 37    | 35        | 22        | 53           | 40    | 23        | 17        | 79                       | 18    | 17                  | 13        | 32           | 53    | 53        | 30        | 64           |
| May . . .       | 59    | 57        | 42        | 79           | 53    | 44        | 34        | 82                       | 45    | 41                  | 36        | 64           | 76    | 69        | 58        | 85           |
| June . . .      | 65    | 61        | 54        | 80           | 61    | 56        | 49        | 77                       | ?     | Wet bulb imperfect. |           | 78           | 84    | 79        | 70        | 90           |
| July . . .      | 84    | 82        | 76        | 94           | 77    | 75        | 70        | 86                       | 87    | 85†                 | 78†       | 93           | 91    | 84        | 84        | 95           |
| August . . .    | 87    | 86        | 82        | 92           | ?     | 76        | 72*       | Shade min. not recorded. | 84    | 83                  | 79        | 93           | 90    | 85        | 82        | 94           |
| September . . . | 85    | 84        | 79        | 92           | ?     | 75        | 72        | Ditto                    | 85    | 82                  | 79        | 93           | 91    | 84        | 84        | 92           |
| October . . .   | 76    | 71        | 67        | 89           | ?     | 68        | 65        | Ditto                    | 80    | 75                  | 70        | 89           | 84    | 79        | 71        | 91           |
| November . . .  | 65    | 60        | 48        | 88           | ?     | 53        | 48        | Ditto                    | 59    | 54                  | 49        | 74           | 79    | 72        | 57        | 89           |
| December . . .  | 70    | 66        | 55        | 89           | ?     | 52        | 45        | Shade min. imperfect     | 55    | 51                  | 42        | 69           | 76    | 70        | 54        | 90           |
| Year . . .      | 67    | 64        | 54        | 82           | ?     | 55        | 49        | ?                        | ?     | ?                   | ?         | 72           | 76    | 70        | 59        | 86           |

\* Mean of 18 days.

† Mean of 24 days.

## 48. BURDWAN.

## 49. JESSORE.

## 50. DACCA.

## 51. CHITTAGONG.

| MONTH.          | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|-----------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . . .   | 63    | 56        | 40        | 94           | 67    | 62        | 49        | 89           | 64    | 58        | 49        | 84†          | 78    | 78        | 60        | 96           |
| February . . .  | 46    | 34        | 23        | 81           | 53    | 46        | 30        | 84           | 56    | 48        | 36        | 85           | 67    | 61        | 48        | 91           |
| March . . .     | 57    | 53        | 34        | 83           | 65    | 65        | 45*       | 86           | 65    | 60        | 45        | 89           | 74    | 67        | 64        | 91           |
| April . . .     | 48    | 42        | 22        | 79           | 65    | 62        | 49*       | 84           | 74    | 72        | 59        | 91           | 81    | 76        | 73        | 94           |
| May . . .       | 67    | 64        | 50        | 87           | 76    | 72        | 65        | 90           | 79    | 73        | 69        | 94           | 81    | 76        | 73        | 93           |
| June . . .      | 75    | 70        | 64        | 90           | 83    | 79        | 77        | 93           | 86    | 82        | 79        | 96           | 88    | 84        | 85        | 94           |
| July . . .      | 82    | 77        | 76        | 93           | 88    | 85        | 84        | 94           | 87    | 83        | 81†       | 96           | 89    | 85        | 86        | 95           |
| August . . .    | 81    | 77        | 73        | 93           | 90    | 87        | 86        | 96           | 89    | 86        | 83        | 97           | 90    | 87        | 88        | 96           |
| September . . . | 83    | 77*       | 78        | 93           | 90    | 87*       | 88        | 95           | 86    | 83        | 79        | 96           | 87    | 84        | 84        | 94           |
| October . . .   | 77    | 71        | 65        | 94           | 82    | 78        | 75        | 92           | 81    | 74        | 71        | 97           | 85    | 81        | 78        | 96           |
| November . . .  | 69    | 62        | 54        | 90*          | 73    | 68        | 61        | 91           | 71    | 63        | 55        | 96           | 81    | 79        | 70        | 95           |
| December . . .  | 63    | 54        | 43        | 92           | 70    | 65        | 56        | 89           | 71    | 64        | 54        | 96           | 77    | 75        | 62        | 95           |
| Year . . .      | 68    | 61        | 52        | 89           | 75    | 71        | 64        | 90           | 76    | 71        | 63        | 93           | 82    | 78        | 73        | 94           |

\* Mean of 29 days.

† Mean of 30 days.

TABLE XII.—MEAN RELATIVE HUMIDITY OF THE AIR IN 1886.

52A. CALCUTTA (CHOWRINGHEE).

52B. CALCUTTA (ALIPORE).

53. SAUGOR ISLAND.

54. CUTTACK.

| MONTH.      | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|-------------|-------|-----------|-----------|--------------|-------|----------|-----------|-----------|-----------|--------------|-------|----------|-----------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January .   | 72    | 66        | 50        | 91           | 73    | 90       | 64        | 46        | 86        | 95           | 77    | 88       | 75        | 62        | 83        | 87           | 67    | 65        | 44        | 93           |
| February .  | 59    | 51        | 35        | 82           | 63    | 87       | 50        | 28        | 77        | 87           | 72    | 84       | 64        | 54        | 84        | 84           | 61    | 61        | 33        | 90           |
| March .     | 71    | 63        | 47        | 86           | 72    | 89       | 62        | 43        | 83        | 86           | 77    | 85       | 72        | 69        | 83        | 83*          | 66    | 65        | 44        | 90           |
| April .     | 67    | 60        | 42        | 85           | 68    | 89       | 57        | 41        | 79        | 84           | 81    | 86       | 76        | 74        | 87        | 85           | 63    | 57        | 42        | 89           |
| May .       | 76    | 67        | 62        | 87           | 77    | 90       | 66        | 60        | 83        | 86           | 78    | 83       | 74        | 72        | 83        | 84           | 65    | 59        | 50*       | 87           |
| June .      | 85    | 76        | 74        | 92           | 82    | 92       | 73        | 72        | 87        | 92           | 83    | 88       | 80        | 79        | 86        | 88           | 76    | 70        | 67        | 90           |
| July .      | 91    | 83        | 84        | 95           | 87    | 94       | 82        | 84        | 90        | 93           | 86    | 90       | 84        | 82        | 88        | 88           | 81    | 75*       | 75        | 93           |
| August .    | 89    | 83        | 82        | 94           | 87    | 93       | 82        | 81        | 91        | 94           | 87    | 90       | 86        | 83        | 89        | 90           | 82    | 75        | 77        | 93           |
| September . | 90    | 82        | 84        | 94           | 88    | 95       | 82        | 83        | 93        | 93           | 86    | 91       | 85        | 81        | 89        | 90           | 80    | 74        | 76        | 91           |
| October .   | 86    | 75        | 73        | 95           | 86    | 95       | 76        | 73        | 93        | 96           | 85    | 90       | 82        | 79        | 90        | 91           | 80    | 74        | 73        | 94           |
| November .  | 73    | 64        | 56        | 91           | 76    | 90       | 65        | 56        | 88        | 92           | 77    | 89       | 72        | 64        | 84        | 89           | 71    | 64        | 61        | 89           |
| December .  | 72    | 63        | 51        | 93           | 73    | 91       | 63        | 49        | 88        | 94           | 75    | 85       | 73        | 60        | 83        | 85           | 72    | 66        | 57        | 92           |
| Year .      | 78    | 69        | 62        | 90           | 78    | 91       | 69        | 60        | 87        | 91           | 80    | 87       | 77        | 72        | 86        | 87           | 72    | 67        | 58        | 91           |

\* Mean of 30 days.

55. FALSE POINT.

56. SAMBALPUR.

57. RAIPUR.

58. NAGPUR.

| MONTH.      | Mean. | 10 hours. | 16 hours. | From Minima.          | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima.          | Mean. | 10 hours. | 16 hours. | From Minima. |
|-------------|-------|-----------|-----------|-----------------------|-------|-----------|-----------|--------------|-------|-----------|-----------|-----------------------|-------|-----------|-----------|--------------|
| January .   | ?     | 71        | 66        | Shade min. imperfect. | 65    | 64        | 43        | 88           | 61    | 58        | 39        | 85                    | 57    | 50        | 34        | 88           |
| February .  | 74    | 65        | 61        | 97*                   | 49    | 41        | 29        | 78           | 39    | 30        | 27        | 61                    | 39    | 30        | 24        | 63           |
| March .     | 79    | 71†       | 72        | 93‡                   | 52    | 49        | 30        | 76           | 39    | 36        | 26        | 56                    | 33    | 27        | 19        | 54           |
| April .     | 84    | 79        | 81        | 93                    | 30    | 25        | 13        | 52           | 23    | 22        | 15        | 32                    | 19    | 15        | 11        | 32           |
| May .       | 80    | 74§       | 74        | 91                    | 46    | 44        | 29        | 65           | 38    | 37        | 25        | 52                    | 32    | 29        | 22        | 45           |
| June .      | 82    | 77        | 78        | 92                    | 73    | 71        | 64        | 84           | 61    | 62        | 50¶       | 71**                  | 65    | 57        | 54        | 84           |
| July .      | 86    | 83        | 81        | 94                    | 84    | 82        | 79        | 90           | ?     | 83        | 79        | Shade min. imperfect. | 82    | 78        | 73        | 94           |
| August .    | 84    | 80        | 79        | 93                    | 82    | 79        | 77        | 89           | 79    | 75        | 70        | 92                    | 76    | 71        | 69        | 88           |
| September . | 85    | 80‡       | 79        | 95                    | 81    | 77        | 74        | 91           | 74    | 69        | 62        | 90                    | 61    | 57        | 48        | 77           |
| October .   | 81    | 74        | 75        | 94                    | 77    | 72        | 68        | 90           | 77    | 72        | 64        | 95                    | 75    | 71        | 66        | 89           |
| November .  | 75    | 68        | 63        | 95                    | 68    | 62        | 52        | 89           | 63    | 58        | 45        | 87                    | 56    | 50        | 40        | 77           |
| December .  | 74    | 66        | 58        | 97                    | 65    | 63        | 42        | 90           | 57    | 53        | 35        | 82                    | 56    | 52        | 39        | 76           |
| Year .      | ?     | 74        | 72        | ?                     | 64    | 61        | 50        | 82           | ?     | 55        | 45        | ?                     | 54    | 49        | 42        | 72           |

\* Mean of 23 days.

† " " 30 "

‡ " " 28 "

§ " " 27 "

¶ Mean of 26 days.

\*\* " " 29 "

\*\*\* " " 21 "

TABLE XII.—MEAN RELATIVE HUMIDITY OF THE AIR IN 1886.

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59. SEONI.

60. JUBBULPORE.

61. SAUGOR.

62. PACHMARHI.

| MONTH.       | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . .  | 52    | 45        | 37        | 74           | 64    | 62        | 39        | 90           | 53    | 49        | 37        | 74           | 64    | 51        | 55        | 86           |
| February . . | 38    | 29        | 27        | 59           | 45    | 35        | 23        | 78           | 36    | 28        | 21        | 58           | 41    | 31        | 29        | 64           |
| March . . .  | 38    | 30        | 24        | 60           | 42    | 34        | 22        | 71           | 34    | 28        | 19        | 54           | 39    | 31        | 26        | 61           |
| April . . .  | 21    | 15        | 12        | 37           | 23    | 15        | 10        | 44           | 19    | 13        | 9         | 35           | 23    | 15        | 15        | 39           |
| May . . . .  | 36    | 30        | 25        | 53           | 35    | 27        | 21        | 58           | 26    | 23        | 15        | 41           | 32    | 29        | 23        | 43           |
| June . . . . | 66    | 58        | 59        | 82           | 62    | 57        | 52        | 77           | 57    | 53        | 45        | 73           | 68    | 71        | 62        | 72           |
| July . . . . | 82    | 78        | 76        | 92           | 84    | 81        | 79        | 93           | 84    | 81*       | 81†       | 91*          | 90    | 93        | 87        | 91           |
| August . . . | 80    | 73        | 74        | 92           | 81    | 77        | 73        | 92           | 83    | 81*       | 74*       | 93*          | 90    | 90        | 85        | 94           |
| September .  | 66    | 57        | 56        | 84           | 69    | 64        | 53        | 91           | 67    | 65        | 51        | 85           | 72    | 71        | 64        | 80           |
| October . .  | 74    | 68        | 64        | 91           | 77    | 71        | 66        | 94           | 75    | 72        | 65        | 88           | 80    | 77        | 75        | 89           |
| November .   | 58    | 48        | 41        | 84           | 63    | 57        | 40        | 91           | 48    | 41        | 33        | 71           | 59    | 50        | 48        | 78           |
| December .   | 56    | 48        | 37        | 83           | 62    | 57        | 41        | 88           | 51    | 45        | 37        | 70           | 60    | 50        | 52        | 79           |
| Year . . . . | 56    | 48        | 44        | 74           | 59    | 53        | 43        | 81           | 53    | 48        | 41        | 69           | 60    | 55        | 52        | 73           |

\* Mean of 30 days.

† „ „ 29 „

63. HOSHANGABAD.

64. KHANDWA.

65. CHANDA.

66. SIRONCHA.

| MONTH.        | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean.                           | 10 hours. | 16 hours. | From Minima. |
|---------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|---------------------------------|-----------|-----------|--------------|
| January . .   | 60    | 59        | 41        | 80           | 54    | 47        | 32        | 84           | 61    | 50        | 41        | 92           | 62                              | 64        | 44        | 87           |
| February . .  | 42    | 37        | 25        | 64           | 37    | 29        | 21        | 61           | 47    | 38        | 24        | 80           | 51                              | 50        | 27        | 76           |
| March . . .   | 36    | 31        | 21        | 57*          | 31    | 27        | 18        | 47           | 38    | 30        | 19        | 65           | 46                              | 49        | 24        | 66           |
| April . . . . | 22    | 15        | 12        | 40           | 22    | 17        | 12        | 36           | 22    | 15        | 9         | 41           | 35                              | 38        | 17        | 49           |
| May . . . .   | 29    | 25        | 16        | 46           | 34    | 34        | 21        | 48           | 37    | 36        | 21        | 55           | 44                              | 47        | 26        | 58           |
| June . . . .  | 63    | 60        | 50        | 80           | 67    | 65        | 53        | 83           | 67    | 62        | 54        | 84           | 71                              | 73        | 57        | 83           |
| July . . . .  | 87    | 86        | 81        | 94           | 80    | 79        | 70        | 90           | 79    | 75        | 69        | 92           | 85                              | 84        | 79        | 92           |
| August . . .  | 83    | 82        | 76        | 92†          | 77    | 75        | 69        | 88           | 76    | 70        | 67        | 90           | 84                              | 83        | 78        | 92           |
| September .   | 66    | 64        | 51        | 84           | 67    | 66        | 50        | 86           | 68    | 60        | 55        | 89           | 75                              | 74        | 63        | 89           |
| October . .   | 76    | 73        | 62        | 93           | 73    | 71        | 58        | 89           | 75    | 68        | 63        | 93           | 81                              | 79        | 72        | 91           |
| November .    | 58    | 53        | 40        | 81           | 54    | 46        | 32        | 83           | 62    | 53        | 41        | 91           | 68                              | 67†       | 51†       | 86†          |
| December .    | 64    | 62        | 45        | 85           | 58    | 51        | 39        | 83           | 59    | 51        | 34        | 91           | Observatory temporarily closed. |           |           |              |
| Year . . . .  | 57    | 54        | 43        | 75           | 55    | 51        | 40        | 73           | 58    | 51        | 41        | 80           | ?                               | ?         | ?         | ?            |

\* Mean of 29 days.

† „ „ 30 „

‡ Mean of 20 days.

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TABLE XII.—MEAN RELATIVE HUMIDITY OF THE AIR IN 1886.

## 67. CHIKALDA.

## 68. BULDANA.

## 69. AKOLA.

## 70. AMRAOTI.

| MONTH.         | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|----------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . . .  | 61    | 58        | 52        | 72           | 50    | 45        | 37        | 69           | 57    | 50        | 35        | 85           | 55    | 52        | 39        | 73           |
| February . . . | 44    | 43        | 37        | 51           | 32    | 27        | 21        | 48           | 38    | 31        | 22        | 60           | 35    | 31        | 28        | 46           |
| March . . .    | 36    | 36        | 28        | 44           | 27    | 24        | 17        | 41           | 29    | 24        | 17        | 47           | 32    | 31        | 22        | 43           |
| April . . .    | 21    | 19        | 17        | 27           | 18    | 12        | 10        | 31           | 19    | 13        | 11        | 32           | 17    | 16        | 11        | 25           |
| May . . .      | 40    | 40        | 29        | 51           | 34    | 35        | 23        | 45           | 31    | 28        | 19        | 45           | 32    | 30        | 20        | 46†          |
| June . . .     | 79    | 80        | 68        | 88           | 71    | 68        | 60        | 84           | 64    | 60        | 49        | 83           | 68    | 66        | 54        | 85           |
| July . . .     | 96    | 96        | 93        | 98           | 81    | 79        | 73        | 92           | 78    | 74        | 67        | 92           | 83    | 80        | 75        | 93           |
| August . . .   | 93    | 92        | 89        | 98           | 81    | 81        | 73        | 90*          | 75    | 72        | 64        | 90           | 80    | 78        | 71        | 92           |
| September . .  | 81    | 80        | 73        | 89           | 66    | 67        | 53        | 79           | 64    | 59        | 48        | 84           | 66    | 61        | 53        | 85           |
| October . . .  | 84    | 83        | 78        | 90           | 75    | 74        | 67        | 83           | 74    | 71        | 58        | 92           | 74    | 70        | 62        | 89           |
| November . . . | 63    | 60        | 58        | 70           | 48    | 44        | 38        | 63           | 56    | 48        | 34        | 85           | 54    | 48        | 38        | 77           |
| December . . . | 61    | 60        | 57        | 65           | 47    | 45        | 38        | 59           | 56    | 49        | 36        | 84           | 51    | 46        | 38        | 70           |
| Year . . .     | 63    | 62        | 57        | 70           | 53    | 50        | 43        | 65           | 53    | 48        | 38        | 73           | 54    | 51        | 43        | 69           |

\* Mean of 28 days.

† Mean of 30 days.

## 71. NEEMUCH.

## 72. NOWGONG.

## 73. SUTNA.

## 74. INDORE.

| MONTH.         | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|----------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . . .  | 45    | 41        | 27        | 67           | 61    | 58        | 38        | 87           | 59    | 52        | 37        | 88           | 48    | 39        | 29        | 76           |
| February . . . | 30    | 23*       | 17*       | 50*          | 39    | 31        | 18        | 69           | 38    | 26        | 16        | 71           | 31    | 22        | 17        | 54           |
| March . . .    | 32    | 24        | 20        | 52           | 42    | 36        | 22        | 68           | 41    | 32        | 22        | 68           | 32    | 28        | 21        | 48           |
| April . . .    | 20    | 13        | 13        | 35           | 21    | 16        | 9         | 39           | 19    | 12        | 7         | 38           | 18    | 12        | 10        | 31           |
| May . . .      | 27    | 18        | 16        | 47           | 34    | 30        | 21        | 51           | 31    | 25        | 18        | 49           | 34    | 31        | 23        | 47           |
| June . . .     | 49    | 41        | 35        | 72           | 54    | 49        | 42        | 70           | 50    | 46        | 42        | 63           | 69    | 67        | 58        | 83           |
| July . . .     | 78    | 72        | 69        | 94           | 84    | 81        | 78        | 93           | 82    | 79        | 74        | 92           | 84    | 82        | 80        | 90           |
| August . . .   | 82    | 76        | 75        | 95           | 79    | 77        | 71        | 90           | 79    | 75        | 71        | 90           | 84    | 79        | 79        | 95           |
| September . .  | 68    | 61        | 55        | 88           | 68    | 64        | 52        | 87           | 71    | 64        | 57        | 91           | 71    | 66        | 55        | 91           |
| October . . .  | 59    | 49†       | 47†       | 82†          | 76    | 72        | 64        | 92           | 76    | 72        | 64        | 91           | 67    | 65        | 60        | 77           |
| November . . . | 45    | 32        | 31        | 73           | 59    | 52        | 36        | 88           | 56    | 46        | 36        | 85           | 50    | 40        | 35        | 74           |
| December . . . | 44    | 35†       | 30†       | 66†          | 66    | 62        | 45        | 90§          | 57    | 51        | 36        | 83           | 53    | 43        | 39        | 78           |
| Year . . .     | 48    | 40        | 36        | 68           | 57    | 52        | 41        | 77           | 55    | 48        | 40        | 76           | 53    | 48        | 42        | 70           |

\* Mean of 24 days.

† " " 26 "

‡ " " 27 "

§ Mean of 29 days.

|| " " 30 "

TABLE XII.—MEAN RELATIVE HUMIDITY OF THE AIR IN 1836.

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75. BICKANEER.

76. JEYPORE.

77. SAMBHAR.

78. AJMERE.

| MONTH.          | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|-----------------|-------|-----------|-----------|--------------|-------|----------|-----------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . . .   | 45    | 43        | 38        | 54           | 60    | 73       | 53        | 44        | 69        | 76           | 55    | 55        | 41        | 69           | 56    | 54        | 41        | 73*          |
| February . . .  | 41    | 41        | 36        | 46           | 38    | 51       | 31        | 23        | 45        | 56           | 30    | 28        | 18        | 43           | 35    | 33        | 24        | 49           |
| March . . .     | 42    | 35        | 34        | 57           | 45    | 57       | 38        | 32        | 51        | 62           | 34    | 32*       | 21*       | 48           | 41    | 36        | 30        | 57           |
| April . . .     | 35    | 26        | 27        | 51           | 26    | 35       | 21        | 16        | 30        | 40           | 23    | 19        | 13        | 38           | 25    | 21        | 19        | 35           |
| May . . .       | 30    | 22        | 24        | 45           | 32    | 45       | 29        | 19        | 35        | 46           | 30    | 30        | 18        | 43           | 34    | 33        | 25        | 45           |
| June . . .      | 34    | 29        | 27        | 46           | 51    | 66       | 46        | 36        | 56        | 67           | 50    | 49        | 38        | 64           | 54    | 53        | 44        | 64           |
| July . . .      | 39    | 34        | 36        | 46           | 78    | 88       | 74        | 68        | 82        | 89           | 75    | 74        | 65        | 85           | 75    | 75        | 65        | 86           |
| August . . .    | 45    | 37        | 40        | 58           | 76    | 88       | 71        | 63        | 83        | 91           | 76    | 74        | 66        | 88           | 75    | 74        | 65        | 86           |
| September . . . | 42    | 34        | 33        | 60           | 60    | 77       | 54        | 40        | 68        | 81           | 59    | 59        | 45        | 74           | 59    | 60        | 45        | 71           |
| October . . .   | 41    | 31        | 30        | 61           | 52    | 70       | 46        | 36        | 57        | 73           | 53    | 51        | 36        | 73           | 56    | 51        | 42        | 74           |
| November . . .  | 30    | 23        | 28        | 40           | 43    | 61       | 32        | 28        | 52        | 65           | 42    | 37        | 27        | 62           | 46    | 41        | 31        | 66           |
| December . . .  | 27    | 18        | 27        | 36           | 42    | 57       | 33        | 27        | 51        | 59           | 49    | 46        | 35        | 65           | 44    | 42        | 32        | 57           |
| Year . . .      | 38    | 31        | 32        | 50           | 50    | 64       | 44        | 36        | 57        | 67           | 48    | 46        | 35        | 63           | 50    | 48        | 39        | 64           |

\* Mean of 30 days.

79. MOUNT ABU.

80. PACHPADRA.

81. JACOBABAD.

82. HYDERABAD.

| MONTH.          | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|-----------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . . .   | 43    | 38        | 39        | 52*          | 38    | 35        | 20        | 58           | 51    | 52        | 33        | 69           | 48    | 47        | 36        | 61‡          |
| February . . .  | 27    | 23        | 19        | 38†          | 21    | 17        | 9         | 36           | 32    | 26        | 20        | 49           | 39    | 37        | 30        | 49           |
| March . . .     | 35    | 29        | 28        | 48*          | 30    | 24        | 15        | 51           | 41    | 39        | 26        | 58           | 45    | 41        | 33        | 62           |
| April . . .     | 23    | 22        | 18        | 30‡          | 26    | 24        | 16        | 39           | 26    | 20        | 15        | 44           | 42    | 34§       | 31§       | 61§          |
| May . . .       | 42    | 38        | 36        | 52*          | 31    | 36        | 17        | 40           | 27    | 25        | 16        | 41           | 47    | 38        | 32        | 70           |
| June . . .      | 69    | 70        | 60        | 78           | 50    | 51        | 29        | 69           | 42    | 42        | 24        | 60           | 52    | 45        | 35        | 75           |
| July . . .      | 93    | 92        | 92        | 96           | 69    | 70        | 53        | 85           | 54    | 52        | 40        | 70           | 62    | 55        | 51        | 81           |
| August . . .    | 96    | 95        | 94        | 98‡          | 69    | 67        | 54        | 86           | 53    | 53        | 36        | 70           | 63    | 59        | 52        | 78*          |
| September . . . | 76    | 73        | 72        | 83           | 60    | 56        | 40        | 85           | 55    | 53        | 32        | 79           | 61    | 54        | 48        | 82           |
| October . . .   | 50    | 43        | 45        | 61           | 39    | 36        | 23        | 59           | 43    | 29        | 28        | 71           | 35    | 33        | 20        | 53           |
| November . . .  | 42    | 36        | 35        | 55           | 33    | 25        | 20        | 53           | 53    | 39        | 32        | 87           | 46    | 41        | 32        | 66           |
| December . . .  | 40    | 34        | 35        | 52           | 29    | 24        | 16        | 47           | 46    | 33        | 25        | 79           | 39    | 35        | 23        | 60           |
| Year . . .      | 53    | 49        | 48        | 62           | 41    | 39        | 26        | 59           | 44    | 39        | 27        | 65           | 48    | 43        | 35        | 67           |

\* Mean of 30 days.

† " " 27 "

‡ " " 29 "

§ Mean of 25 days.

TABLE XII.—MEAN RELATIVE HUMIDITY OF THE AIR IN 1886.

## 83. KURRACHEE.

## 84. BHUJ.

## 85. RAJKOT.

## 86. DEESA.

| MONTH.        | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean.                      | 10 hours. | 16 hours.  | From Minima.             | Mean. | 10 hours. | 16 hours. | From Minima. |
|---------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|----------------------------|-----------|------------|--------------------------|-------|-----------|-----------|--------------|
| January . .   | 47    | 39        | 34        | 54           | 51    | 49*       | 41*       | 62†          | 42                         | 36        | 25         | 65                       | 37    | 29        | 21        | 49           |
| February . .  | 36    | 26        | 28        | 40           | 35    | 34        | 28        | 43           | ?                          | 27‡       | Imperfect. | 59§                      | 20    | 15        | 12        | 38           |
| March . .     | 63    | 51        | 51        | 75           | 45    | 39        | 31        | 66           | ?                          | 31        | Ditto.     | Shade minimum imperfect. | 28    | 25        | 13        | 47           |
| April . .     | 67    | 55        | 55        | 80           | 39    | 29        | 23        | 66           | Observations not recorded. |           |            |                          | 25    | 25        | 13        | 49           |
| May . .       | 71    | 60        | 62        | 83           | 51    | 42        | 35        | 76           | 56                         | 46¶       | 35¶        | 86¶                      | 38    | 39        | 22        | 62           |
| June . .      | 72    | 65        | 65        | 80           | 60    | 53        | 50        | 76           | 57                         | 48        | 47         | 76¶                      | 54    | 54        | 35        | 72           |
| July . .      | 80    | 76        | 75        | 86           | 78    | 77        | 72        | 84           | 68                         | 64        | 67         | 74                       | 78    | 74        | 77        | 86           |
| August . .    | 77    | 74        | 71        | 83           | 73    | 69        | 66        | 83           | 71                         | 67        | 70         | 76                       | 78    | 76        | 67        | 89           |
| September . . | 76    | 70        | 70        | 85           | 66    | 60        | 51        | 86           | 66                         | 62        | 52         | 84                       | 64    | 61        | 47        | 86           |
| October . .   | 51    | 43        | 46        | 64           | 46    | 41        | 29        | 68           | 56                         | 54        | 44         | 70                       | 48    | 41        | 30        | 73           |
| November . .  | 55    | 45        | 46        | 66           | 44    | 40        | 33        | 59           | 46                         | 40        | 40         | 57                       | 34    | 26        | 20        | 60           |
| December . .  | 50    | 42        | 39        | 54           | 34    | 33        | 24        | 45           | 37                         | 31        | 30         | 49                       | 35    | 26        | 17        | 61           |
| Year . .      | 62    | 54        | 54        | 71           | 52    | 47        | 40        | 68           | ?                          | ?         | ?          | ?                        | 45    | 41        | 31        | 64           |

\* Mean of 25 days.

† " " 23 "

‡ Mean of 26 days.

§ " " 20 "

|| " " 28 "

¶ Mean of 29 days.

## 87. SURAT.

## 88. MALEGAON.

## 89. BOMBAY.

## 90. POONA.

| MONTH.        | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|---------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|----------|-----------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . .   | 56    | 50        | 40        | 79           | 52    | 46        | 36        | 75           | 68    | 76       | 63        | 60        | 74        | 75           | 42    | 39        | 26        | 78           |
| February . .  | 46    | 39        | 30        | 70           | 40    | 32        | 26        | 61           | 65    | 71       | 56        | 62        | 72        | 68           | 27    | 21        | 14        | 67           |
| March . .     | 56    | 46        | 37        | 85           | 39    | 30        | 23        | 63           | 70    | 80       | 64        | 63        | 74        | 77           | 29    | 22        | 14        | 64           |
| April . .     | 50    | 37        | 30        | 82           | 21    | 12        | 13        | 39           | 72    | 81       | 67        | 65        | 75        | 80           | 24    | 13        | 13        | 52           |
| May . .       | 61    | 52        | 48        | 82           | 35    | 25        | 23        | 56           | 75    | 81       | 70        | 69        | 79        | 80           | 47    | 34        | 31        | 77           |
| June . .      | 69    | 62        | 60        | 84           | 62    | 51        | 53        | 83           | 81    | 85       | 79        | 77        | 83        | 85           | 72    | 61        | 60        | 90           |
| July . .      | 83    | 79        | 79        | 91           | 74    | 67        | 64        | 90           | 85    | 88       | 85        | 82        | 86        | 89           | 80    | 73        | 72        | 93           |
| August . .    | 81    | 78        | 76        | 90           | 74    | 67        | 63        | 91           | 83    | 86       | 82        | 78        | 84        | 87           | 76    | 70        | 69        | 94           |
| September . . | 76    | 70        | 66        | 93           | 64    | 55        | 46        | 90           | 84    | 89       | 82        | 78        | 85        | 90           | 73    | 63        | 61        | 97           |
| October . .   | 76    | 70        | 66        | 93           | 71    | 61        | 59        | 93           | 84    | 89       | 80        | 78        | 87        | 90           | 73    | 67        | 61        | 98           |
| November . .  | 66    | 55        | 54        | 89           | 51    | 38        | 31        | 85           | 76    | 81       | 70        | 70        | 81        | 79           | 55    | 52        | 38        | 95           |
| December . .  | 61    | 54        | 43        | 87           | 52    | 42        | 33        | 82           | 71    | 77       | 67        | 64        | 76        | 77           | 51    | 47        | 32        | 93           |
| Year . .      | 65    | 58        | 52        | 85           | 53    | 44        | 39        | 76           | 76    | 82       | 72        | 71        | 80        | 81           | 54    | 47        | 41        | 83           |

TABLE XII.—MEAN RELATIVE HUMIDITY OF THE AIR IN 1886.

## 91. SHOLAPUR.

## 92. RATNAGIRI.

## 93. BELGAUM.

## 94. KARWAR.

| MONTH.        | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|---------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . .   | 45    | 41        | 30        | 63           | 62    | 51        | 59        | 77           | 50    | 45        | 32        | 86           | 71    | 65        | 58        | 89†          |
| February . .  | 30    | 27        | 20        | 43           | 60    | 48        | 63        | 70           | 35    | 28        | 22        | 67           | 70    | 64        | 59        | 88           |
| March . . .   | 29    | 29        | 22        | 37           | 65    | 57        | 60        | 77           | 37    | 24        | 25        | 68           | 72    | 63        | 61        | 91           |
| April . . .   | 25    | 24        | 19        | 32           | 65    | 57        | 62        | 77           | 45    | 27        | 37        | 75           | 72    | 66        | 63        | 87           |
| May . . . .   | 43    | 39        | 30        | 61           | 66    | 59        | 62        | 77           | 65    | 51        | 55        | 91           | 72    | 66        | 66        | 83           |
| June . . . .  | 66    | 61        | 54        | 82           | 77    | 73        | 76        | 82           | 84    | 81        | 81        | 94           | 84    | 81        | 79        | 92           |
| July . . . .  | 73    | 70        | 63        | 87           | 84    | 83        | 84        | 84           | 89    | 86        | 87        | 95           | 90    | 89        | 87        | 95           |
| August . . .  | 75    | 72        | 64        | 89           | 84    | 83        | 85        | 85           | 88    | 83        | 84        | 97           | 89    | 87        | 84        | 95           |
| September . . | 65    | 61        | 51        | 83*          | 81    | 78        | 80        | 84           | 82    | 71        | 80        | 97           | 87    | 84        | 82        | 96           |
| October . . . | 73    | 68        | 64        | 87           | 79    | 75        | 80        | 83           | 82    | 76        | 74        | 96           | 87    | 84        | 81        | 97           |
| November . .  | 55    | 48        | 39        | 77           | 67    | 55        | 68        | 78*          | 57    | 53        | 41        | 86           | 77    | 73        | 66        | 93           |
| December . .  | 54    | 50        | 39        | 72           | 60    | 47        | 60        | 72           | 51    | 49        | 37        | 80           | 68    | 63        | 55        | 87           |
| Year . . . .  | 53    | 49        | 41        | 68           | 71    | 64        | 70        | 79           | 64    | 56        | 55        | 86           | 78    | 74        | 70        | 91           |

\* Mean of 29 days.

† Mean of 30 days.

## 95. GOPALPUR.

## 96. VIZAGAPATAM.

## 97. RAJAHMUNDRY.

## 98. MASULIPATAM.

| MONTH.        | Mean. | 10 hours. | 16 hours. | From Minima.                | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima.             |
|---------------|-------|-----------|-----------|-----------------------------|-------|----------|-----------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------------------|
| January . .   | ...   | 69        | 68        | Shade minimum not recorded. | 66    | 70       | 64        | 60        | 69        | 56           | 60    | 53        | 40        | 87           | 75    | 72        | 74        | 88*                      |
| February . .  | ...   | 64        | 70        |                             | 66    | 71       | 62        | 60        | 70        | 57           | 50    | 51        | 32        | 85           | 57    | 71        | 67        | Shade min. not recorded. |
| March . . .   | ...   | 72        | 78        |                             | 66    | 71       | 61        | 62        | 69        | 60           | 56    | 55        | 38        | 84           | 60    | 67        | 70        |                          |
| April . . .   | ...   | 81        | 82        |                             | 67    | 71       | 61        | 64        | 71        | 62           | 52    | 51        | 35        | 80           | 71    | 69        | 73        |                          |
| May . . . .   | ...   | 78        | 82        |                             | 71    | 74       | 68        | 69        | 73        | 61           | 57    | 54        | 46        | 77           | 74    | 67        | 71        | 88                       |
| June . . . .  | ...   | 80        | 80        |                             | 70    | 74       | 67        | 67        | 73        | 60           | 68    | 66        | 55        | 83           | 76    | 73        | 71        | 88                       |
| July . . . .  | ...   | 83        | 83        |                             | 73    | 76       | 71        | 69        | 75        | 63           | 76    | 73        | 69        | 86           | 81    | 79        | 76        | 90                       |
| August . . .  | ...   | 80        | 80        |                             | 76    | 78       | 75        | 73        | 77        | 65           | 73    | 70        | 64        | 84           | 84    | 82        | 79        | 92                       |
| September . . | ...   | 79        | 78        |                             | 72    | 76       | 69        | 69        | 74        | 62           | 65    | 61        | 56        | 83           | 75    | 70        | 68        | 92                       |
| October . . . | ...   | 80        | 79        |                             | 80    | 81       | 79        | 77        | 83        | 68           | 79    | 73        | 73        | 90           | 84    | 81        | 76        | 96                       |
| November . .  | ...   | 70        | 68        |                             | 69    | 73       | 65        | 65        | 71        | 58           | 65    | 58        | 51        | 85           | 75    | 67        | 63        | 94                       |
| December . .  | ...   | 66        | 62        |                             | 66    | 71       | 63        | 59        | 72        | 54           | 63    | 57        | 47        | 85           | 72    | 67        | 63        | 94                       |
| Year . . . .  | ...   | 75        | 76        |                             | 70    | 74       | 67        | 66        | 73        | 61           | 64    | 60        | 51        | 84           | 74    | 72        | 71        | ?                        |

\* Mean of 26 days.

TABLE XII.—MEAN RELATIVE HUMIDITY OF THE AIR IN 1886.

## 99. SECUNDERABAD.

## 100. KURNOOL.

## 101. BELLARY.

## 102. MANGALORE.

| MONTH.    | Mean. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima.             | Mean. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|-----------|-------|-----------|-----------|-----------|--------------|-------|-----------|-----------|--------------------------|-------|-----------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January   | 57    | 55        | 37        | 61        | 82           | 59    | 53        | 36        | 88                       | 51    | 50        | 32        | 55        | 74           | 70    | 61        | 66        | 83           |
| February  | 41    | 39        | 24        | 44        | 67           | 47    | 38        | 23        | 79                       | 39    | 37        | 22        | 42        | 65           | 66    | 51        | 63        | 83           |
| March     | 41    | 40        | 25        | 42        | 62           | ?     | 37        | 24        | Shade min. imperfect.    | 33    | 31        | 20        | 34        | 55           | 75    | 71        | 71        | 84           |
| April     | 36    | 34        | 22        | 38        | 56           | ?     | 34        | 19        | Shade min. not recorded. | 27    | 23        | 21        | 32        | 36           | 76    | 74        | 72        | 83           |
| May       | 49    | 47        | 35        | 51        | 63           | 44    | 41        | 30        | 62*                      | 45    | 44        | 28        | 49        | 60           | 79    | 75        | 75        | 87           |
| June      | 69    | 66        | 56        | 74        | 82           | 62    | 58        | 49        | 79                       | 63    | 63        | 52        | 66        | 67           | 85    | 84        | 82        | 90           |
| July      | 81    | 76        | 73        | 85        | 89           | 70    | 67        | 59        | 85                       | 68    | 64        | 57        | 73        | 77           | 91    | 91        | 88        | 94           |
| August    | 78    | 72        | 68        | 84        | 88           | 73    | 72        | 63        | 85                       | 72    | 68        | 57        | 76        | 89           | 90    | 89        | 88        | 94           |
| September | 74    | 64        | 71        | 80        | 90           | 66    | 65        | 56        | 78                       | 65    | 63        | 52        | 69        | 78           | 87    | 84        | 84        | 94           |
| October   | 79    | 73        | 65        | 85        | 94           | 77    | 75        | 70        | 86                       | 73    | 71        | 61        | 75        | 84           | 85    | 80        | 83        | 93           |
| November  | 68    | 60        | 51        | 74        | 88           | 66    | 61        | 50        | 88                       | 61    | 57        | 46        | 66        | 81†          | 74    | 66        | 67        | 90           |
| December  | 66    | 60        | 48        | 71        | 89           | 64    | 58        | 46        | 87                       | 61    | 59        | 46        | 66        | 82           | 63    | 52        | 57        | 80           |
| Year      | 62    | 57        | 48        | 66        | 79           | ?     | 55        | 44        | ?                        | 55    | 53        | 41        | 59        | 71           | 78    | 73        | 75        | 88           |

\* Mean of 27 days.

† Mean of 29 days.

## 103. MERCARA.

## 104. BANGALORE.

## 105. CUDDAPAH.

## 106. MADRAS.

| MONTH.    | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | 22 hours. | From Minima.          | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | 22 hours. | From Minima. |
|-----------|-------|-----------|-----------|--------------|-------|-----------|-----------|-----------|-----------------------|-------|-----------|-----------|--------------|-------|-----------|-----------|-----------|--------------|
| January   | 82    | 79        | 78        | 88           | 66    | 62        | 42        | 66        | Shade min. imperfect. | 59    | 57        | 43        | 88           | 76    | 66        | 63        | 83        | 91           |
| February  | 54    | 52        | 40        | 71           | 53    | 49        | 33        | 56        | 90                    | 52    | 49        | 38        | 79           | 72    | 60        | 59        | 81        | 93           |
| March     | 57    | 49        | 44        | 77           | 54    | 51        | 34        | 60        | 80                    | 43    | 42        | 27        | 73           | 76    | 63        | 67        | 82        | 93           |
| April     | 70    | 59        | 61        | 90           | 53    | 54        | 31        | 60        | 72                    | 36    | 38        | 21        | 56           | 76    | 66        | 69        | 85        | 93           |
| May       | 83    | 77        | 79        | 92           | 70    | 70        | 53        | 69        | 85                    | 48    | 48        | 34        | 68           | 74    | 62        | 65        | 81        | 85           |
| June      | 94    | 93        | 93        | 96           | 78    | 75        | 65        | 79        | 92                    | 55    | 53        | 45        | 74           | 76    | 66        | 69        | 83        | 87           |
| July      | 96    | 96        | 95        | 96           | 82    | 80        | 73        | 80        | 94                    | 61    | 59        | 48        | 83           | 75    | 69        | 65        | 82        | 85           |
| August    | 96    | 96        | 95        | 96           | 81    | 80        | 69        | 82        | 96                    | 67    | 63        | 53        | 84           | 77    | 68        | 69        | 84        | 87           |
| September | 92    | 88        | 91        | 96           | 79    | 77        | 64        | 80        | 95                    | 66    | 64        | 49        | 84           | 73    | 61        | 65        | 83        | 85           |
| October   | 90    | 86        | 89        | 94           | 78    | 73        | 64        | 81        | 95                    | 73    | 68        | 61        | 90           | 82    | 75        | 73        | 89        | 92           |
| November  | 77    | 72        | 69        | 89           | 69    | 65        | 54        | 71        | 91                    | 66    | 62        | 54        | 90           | 80    | 74        | 70        | 86        | 94           |
| December  | 73    | 71        | 61        | 86           | 71    | 67        | 55        | 70        | 91                    | 68    | 65        | 53        | 93           | 79    | 72        | 71        | 83        | 92           |
| Year      | 80    | 77        | 75        | 89           | 70    | 67        | 53        | 71        | ?                     | 58    | 56        | 44        | 80           | 76    | 67        | 67        | 84        | 90           |



TABLE XII.—MEAN RELATIVE HUMIDITY OF THE AIR IN 1886.

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107. SALEM.

108. WELLINGTON.

109. CALICUT.

110. COIMBATORE.

| MONTH.      | Mean. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima.                | Mean. | 10 hours. | 16 hours. | From Minima. |
|-------------|-------|-----------|-----------|-----------|--------------|-------|-----------|-----------|-----------|--------------|-------|-----------|-----------|-----------------------------|-------|-----------|-----------|--------------|
| January .   | 77    | 78        | 62        | 86        | 81           | 80    | 69        | 78        | 90        | 81           | ?     | 69        | 64        | Shade minimum not recorded. | 76    | 70        | 65        | 88           |
| February .  | 69    | 66        | 51        | 79        | 83           | 55    | 40        | 49        | 73        | 64           | ?     | 66        | 64        |                             | 69    | 65        | 59        | 86           |
| March .     | 65    | 65        | 46        | 72        | 83           | 59    | 45        | 49        | 69        | 75           | ?     | 70        | 71        |                             | 65    | 65        | 50        | 87           |
| April .     | 63    | 63        | 42        | 66        | 86           | 57    | 42        | 46        | 65        | 75           | ?     | 71        | 72        |                             | 54    | 58        | 35        | 81           |
| May .       | 74    | 70        | 59        | 81        | 84           | 76    | 63        | 72        | 82        | 84           | ?     | 77        | 76        |                             | 65    | 69        | 59        | 67           |
| June .      | 74    | 68        | 60        | 82        | 86           | 76    | 68        | 76        | 80        | 79           | ?     | 86        | 82        |                             | 69    | 74        | 66        | 68           |
| July .      | 76    | 71        | 63        | 84        | 85           | 81    | 73        | 79        | 86        | 84           | ?     | 88        | 88        |                             | 71    | 75        | 71        | 67           |
| August .    | 78    | 74        | 65        | 86        | 84           | 80    | 72        | 78        | 84        | 83           | ?     | 89        | 86        |                             | 72    | 76        | 71        | 69           |
| September . | 77    | 73        | 65        | 85        | 84           | 81    | 71        | 77        | 88        | 86           | ?     | 84        | 79        |                             | 72    | 75        | 71        | 71           |
| October .   | 80    | 73        | 70        | 86        | 85           | 81    | 70        | 78        | 88        | 86           | ?     | 80        | 77        |                             | 68    | 69        | 65        | 71           |
| November .  | 79    | 75        | 69        | 86        | 83           | 80    | 70        | 75        | 87        | 84           | ?     | 74        | 72        |                             | 67    | 71        | 62        | 70           |
| December .  | 74    | 69        | 64        | 79        | 81           | 74    | 64        | 67        | 81        | 78           | ?     | 70        | 68        |                             | 61    | 68        | 53        | 64           |
| Year .      | 74    | 70        | 60        | 81        | 84           | 73    | 62        | 69        | 81        | 80           | ?     | 77        | 75        |                             | 67    | 70        | 61        | 74           |

111. TRICHINOPOLY.

112. NEGAPATAM.

113. MADURA.

114. COCHIN.

| MONTH.      | Mean. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | 22 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | 22 hours. | From Minima. |
|-------------|-------|-----------|-----------|-----------|--------------|-------|-----------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|-----------|--------------|
| January .   | 69    | 69        | 58        | 84        | 88           | 80    | 75        | 74        | 81        | 91           | 74    | 68        | 62        | 89           | 71    | 62        | 60        | 79        | 82           |
| February .  | 65    | 59        | 43        | 78        | 88           | 73    | 67        | 67        | 74        | 86           | 66    | 61        | 55        | 89           | 68    | 56        | 58        | 81        | 78           |
| March .     | 62    | 57        | 39        | 74        | 88           | 74    | 68        | 68        | 77        | 83           | 61    | 58        | 47        | 88           | 72    | 63        | 63        | 77        | 84           |
| April .     | 57    | 51        | 37        | 61        | 80           | 77    | 69        | 69        | 82        | 85           | 59    | 57        | 45        | 85           | 74    | 68        | 65        | 78        | 83           |
| May .       | 65    | 59        | 49        | 72        | 82           | 74    | 63        | 68        | 80        | 84           | 62    | 57        | 53        | 80           | 82    | 77        | 74        | 85        | 89           |
| June .      | 61    | 57        | 53        | 64        | 78           | 72    | 60        | 65        | 79        | 84           | 57    | 51        | 51        | 77           | 88    | 84        | 81        | 90        | 92           |
| July .      | 66    | 60        | 52        | 75        | 80           | 74    | 67        | 64        | 79        | 84           | 61    | 57        | 55        | 76           | 89    | 85        | 85        | 91        | 92           |
| August .    | 71    | 68        | 57        | 79        | 81           | 78    | 72        | 70        | 84        | 87           | 62    | 59        | 55        | 76           | 88    | 86        | 84        | 91        | 92           |
| September . | 70    | 63        | 54        | 83        | 83           | 77    | 71        | 68        | 85        | 87           | 64    | 61        | 56        | 77           | 85    | 82        | 78        | 90        | 90           |
| October .   | 68    | 60        | 54        | 80        | 81           | 79    | 72        | 71        | 83        | 87           | 64    | 60        | 57        | 76           | 84    | 80        | 77        | 90        | 89           |
| November .  | 77    | 70        | 63        | 89        | 89           | 78    | 74        | 71        | 78        | 89           | 69    | 66        | 61        | 85           | 79    | 73        | 70        | 86        | 90           |
| December .  | 73    | 67        | 57        | 82        | 83           | 77    | 75        | 71        | 78        | 84           | 63    | 58        | 53        | 81           | 72    | 61        | 59        | 84        | 85           |
| Year .      | 67    | 62        | 51        | 77        | 84           | 76    | 69        | 69        | 80        | 86           | 64    | 59        | 54        | 82           | 79    | 73        | 71        | 85        | 87           |

TABLE XII.—MEAN RELATIVE HUMIDITY OF THE AIR IN 1886.

| STATIONS.                  | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Year. |
|----------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| 115 Colombo . . . . .      | 73       | 68        | 70     | 77     | 79   | 76    | 76    | 76      | 75         | 75       | 73        | 71        | 74    |
| 116 Jaffna . . . . .       | 76       | 70        | 67     | 69     | 79   | 87    | 85    | 79      | 76         | 78       | 79        | 78        | 77    |
| 117 Trincomalee . . . . .  | 86       | 76        | 71     | 66     | 65   | 65    | 66    | 65      | 66         | 65       | 72        | 78        | 70    |
| 118 Batticaloa . . . . .   | 82       | 78        | 75     | 72     | 73   | 73    | 70    | 70      | 72         | 70       | 75        | 79        | 74    |
| 119 Hambantota . . . . .   | 99       | 80        | ?      | 85     | ?    | ?     | ?     | ?       | ?          | ?        | ?         | 82        | ?     |
| 120 Galle . . . . .        | 99       | 81        | 81     | 90     | 90   | 90    | 95    | 90      | 91         | 90       | 89        | 87        | 89    |
| 121 Kandy . . . . .        | 76       | 79        | 64     | 69     | 75   | 79    | ?     | 87      | 77         | 78       | 74        | 57        | ?     |
| 122 Newera Eliya . . . . . | 81       | 72        | 67     | 74     | 93   | 89    | 91    | 88      | 91         | 88       | 81        | 84        | 83    |

## 123. MANDALAY.

## 124. AKYAB.

## 125. THAVETMYO.

## 126. TOUNGOO.

| MONTH.              | Mean.                           | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|---------------------|---------------------------------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . . . . .   | Observatory opened in November. |           |           |              | 78    | 78        | 74        | 83           | 69    | 67        | 46        | 95           | 71    | 72        | 55        | 85           |
| February . . . . .  |                                 |           |           |              | 64    | 61        | 55        | 77           | 60    | 56        | 33        | 90           | 66    | 68        | 48        | 81           |
| March . . . . .     |                                 |           |           |              | 69    | 64*       | 61*       | 82*          | 51    | 44        | 29        | 79           | 58    | 60        | 43        | 72           |
| April . . . . .     |                                 |           |           |              | 71    | 65        | 66        | 83           | 52    | 49        | 34        | 74           | 54    | 58        | 34        | 70           |
| May . . . . .       |                                 |           |           |              | 75    | 70†       | 72†       | 83‡          | 66    | 57        | 56        | 84           | 73    | 72        | 63        | 83           |
| June . . . . .      |                                 |           |           |              | 85    | 86        | 87        | 82           | 84    | 79        | 80        | 94           | 85    | 85        | 83        | 86           |
| July . . . . .      |                                 |           |           |              | 87    | 88        | 87        | 85§          | 84    | 78        | 79        | 94           | 87    | 88        | 86        | 87           |
| August . . . . .    |                                 |           |           |              | 84    | 85        | 83        | 85           | 87    | 82        | 83        | 95           | 87    | 89        | 86        | 87           |
| September . . . . . |                                 |           |           |              | 81    | 82†       | 77‡       | 83‡          | 81    | 76        | 72        | 95           | 84    | 86        | 80        | 86           |
| October . . . . .   |                                 |           |           |              | 77    | 77        | 71        | 83           | 83    | 80        | 76        | 94           | 81    | 83        | 75        | 84           |
| November . . . . .  | 75                              | 76        | 65        | 84           | 75    | 75†       | 69        | 82           | 84    | 81        | 75        | 95           | 81    | 85        | 75        | 83           |
| December . . . . .  | 69                              | 71        | 54        | 83           | 69    | 71        | 58        | 79           | 75    | 72        | 58        | 94           | 73    | 79        | 62        | 79           |
| Year . . . . .      | ...                             | ...       | ...       | ...          | 76    | 75        | 72        | 82           | 73    | 68        | 60        | 90           | 75    | 77        | 66        | 82           |

\* Mean of 30 days.  
† " " 28 "‡ Mean of 29 days.  
§ " " 23 "

TABLE XII.—MEAN RELATIVE HUMIDITY OF THE AIR IN 1886.

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127. BASSEIN.

128. DIAMOND ISLAND.

129. RANGOON.

130. MOULMEIN.

| MONTH.        | Mean. | 10 hours. | 16 hours. | From Minima. | Mean.      | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|---------------|-------|-----------|-----------|--------------|------------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . .   | 70    | 64        | 52        | 93           | 75         | 72*       | 66*       | 87*          | 67    | 71        | 46        | 84           | 68    | 66        | 47        | 91           |
| February . .  | 69    | 65        | 48        | 93           | 76         | 71        | 66†       | 90           | 67    | 70        | 43        | 87           | 67    | 65        | 44        | 92           |
| March . .     | 66    | 59        | 46        | 94           | 76         | 70        | 68*       | 90           | 67    | 64        | 49        | 87           | 66    | 62        | 48        | 89           |
| April . .     | 67    | 57        | 50        | 93           | 78         | 71        | 71        | 91           | 64    | 60        | 46        | 87           | 64    | 57        | 49        | 86           |
| May . .       | 79    | 72        | 71        | 94           | Imperfect. |           |           |              | 80    | 77        | 73        | 90           | 82    | 81        | 71        | 95           |
| June . .      | 88    | 84        | 86        | 95           | 86         | 86        | 83        | 90           | 90    | 90        | 88        | 93           | 89    | 87        | 84        | 97           |
| July . .      | 90    | 85        | 88        | 96*          | 88         | 84        | 84        | 96           | 89    | 88        | 86        | 93           | 90    | 90        | 84        | 97           |
| August . .    | 89    | 85        | 86        | 96           | 88         | 84        | 84        | 96           | 91    | 90        | 89        | 93           | 90    | 89        | 86        | 96           |
| September . . | 88    | 83        | 85        | 96           | 88         | 83        | 84        | 97           | 88    | 88        | 84        | 92           | 87    | 84        | 80        | 96           |
| October . .   | 85    | 81        | 79        | 94           | 85         | 79*       | 78*       | 97*          | 85    | 86        | 75        | 93           | 82    | 79        | 73        | 95           |
| November . .  | 81    | 77        | 72        | 95           | 83         | 80        | 74        | 96           | 79    | 79        | 71        | 86           | 71    | 65        | 60        | 89           |
| December . .  | 74    | 68        | 59        | 95           | 75         | 71        | 64        | 89           | 71    | 71        | 56        | 86           | 64    | 56        | 45        | 91*          |
| Year . .      | 79    | 73        | 69        | 95           | ?          | ?         | ?         | ?            | 78    | 78        | 67        | 89           | 77    | 73        | 64        | 93           |

\* Mean of 30 days. † Mean of 27 days.

131. MERGÜI.

132. COCOS ISLAND.

133. PORT BLAIR.

134. NANCOWRY.

| MONTH.        | Mean. | 10 hours. | 16 hours. | From Minima. | Mean.                                    | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. | Mean. | 10 hours. | 16 hours. | From Minima. |
|---------------|-------|-----------|-----------|--------------|------------------------------------------|-----------|-----------|--------------|-------|-----------|-----------|--------------|-------|-----------|-----------|--------------|
| January . .   | 71    | 64        | 61        | 89           | } Observatory opened in April 1886. }    |           |           |              | 75    | 75        | 67        | 82           | 77    | 73        | 73        | 84           |
| February . .  | 79    | 72        | 71        | 93           |                                          |           |           |              | 79    | 78        | 72        | 87           | 76    | 71        | 72        | 86           |
| March . .     | 81    | 76        | 73        | 93           |                                          |           |           |              | 79    | 77        | 72        | 87           | 73    | 67        | 68        | 84           |
| April . .     | 78    | 70        | 70        | 93           |                                          |           |           |              | 79    | 77        | 70        | 89           | 75    | 67        | 69        | 89           |
| May . .       | 83    | 77        | 80        | 93           | } Wet bulb thermometers untrustworthy. } |           |           |              | 85    | 85        | 83        | 86           | 83    | 80        | 79        | 91           |
| June . .      | 88    | 85        | 86        | 93           |                                          |           |           |              | 87    | 86        | 85        | 90           | 83    | 80        | 81        | 89           |
| July . .      | 88    | 86        | 84        | 94           | 91                                       | 91*       | 90*       | 92*          | 88    | 88        | 86        | 91           | 83    | 80        | 80        | 90           |
| August . .    | 87    | 82        | 84        | 94           | 90                                       | 89        | 89        | 91           | 87    | 86        | 85        | 89           | 81    | 78        | 77        | 88           |
| September . . | 88    | 85        | 85        | 94           | 89                                       | 89        | 88        | 90           | 86    | 85        | 83        | 91           | 83    | 80†       | 79†       | 89†          |
| October . .   | 88    | 83        | 86        | 94           | 87                                       | 86        | 85†       | 89           | 88    | 87        | 85        | 92           | 83    | 80        | 79        | 91           |
| November . .  | 81    | 74        | 78        | 92           | 85                                       | 85        | 81        | 88           | 85    | 85        | 83        | 88           | 84    | 80        | 81        | 91           |
| December . .  | 73    | 65        | 63        | 92           | 77                                       | 76        | 76        | 80           | 77    | 72        | 71        | 88           | 76    | 72        | 72        | 84           |
| Year . .      | 82    | 77        | 77        | 93           | ?                                        | ?         | ?         | ?            | 83    | 82        | 79        | 88           | 80    | 76        | 76        | 88           |

\* Mean of 27 days.

† „ „ 30 „

‡ Mean of 29 days.

TABLE XIII.—MEAN PROPORTION OF CLOUDED SKY IN 1886. (135 STATIONS).

1. ADEN.

2. AMINI DIVI.

3. QUETTA.

4. LEH.

5. MOOLTAN.

6. D. I. KHAN.

| MONTH.      | Mean. | 10 hours. | 16 hours. | Mean.         | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. |
|-------------|-------|-----------|-----------|---------------|-----------|-----------|-------|-----------|-----------|-------|----------|-----------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|
| January .   | 4'40  | 6'35      | 2'45      | 5'09          | 5'25      | 4'92      | 5'97  | 5'65      | 6'29      | 7'20  | 7'35     | 6'87      | 7'65      | 6'94      | 4'29  | 4'61      | 3'97      | 5'24  | 5'32      | 5'16      |
| February .  | 3'80  | 5'88*     | 1'72†     | 2'00          | 2'00      | 2'00      | 5'52  | 5'07      | 5'96      | 7'07  | 7'75     | 7'43      | 7'54      | 5'57      | 2'38  | 2'14      | 2'61      | 3'34  | 3'43      | 3'25      |
| March .     | 2'57  | 3'71‡     | 1'43‡     | 4'44          | 3'88      | 5'00      | 4'82  | 4'35      | 5'29      | 7'58  | 7'65     | 8'00      | 8'68      | 5'98      | 3'76  | 3'90      | 3'61      | 4'00  | 3'55      | 4'45      |
| April .     | 1'06  | 1'33§     | 0'78§     | Not received. |           |           | 2'85  | 1'03      | 4'67      | 6'63  | 6'47     | 7'00      | 7'90      | 5'13      | 1'28  | 1'23      | 1'33      | 2'55  | 2'03      | 3'06      |
| May .       | 1'69  | 2'38      | 1'00      | Imperfect.    |           |           | 1'54  | 1'26      | 1'81      | 5'11  | 4'90     | 5'00      | 6'42      | 4'10      | 1'49  | 1'00      | 1'97      | 1'24  | 0'74      | 1'74      |
| June .      | 0'55  | 0'65**    | 0'45**    | 7'18          | 6'83      | 7'53      | 0'62  | 0'13      | 1'10      | 4'96  | 4'80     | 4'90      | 6'23      | 3'90      | 1'49  | 1'17      | 1'80      | 0'98  | 1'03      | 0'93      |
| July .      | 2'91  | 2'55††    | 3'26      | 9'15          | 9'03      | 9'26      | 1'21  | 0'19      | 2'23      | 4'84  | 4'55     | 5'19      | 5'39      | 4'23      | 3'59  | 2'94      | 4'23      | 2'41  | 2'23      | 2'58      |
| August .    | 1'66  | 2'35      | 0'97      | 8'31          | 8'23      | 8'39      | 0'41  | 0'10      | 0'71      | 4'51  | 4'58     | 4'52      | 4'97      | 3'97      | 0'84  | 0'16      | 1'52      | 1'45  | 1'29      | 1'61      |
| September . | 2'58  | 3'43      | 1'73      | 8'13          | 7'93      | 8'33      | 0'07  | 0         | 0'13      | 2'87  | 2'17     | 2'73      | 4'37      | 2'20      | 0'17  | 0'07      | 0'27      | 0'27  | 0'27      | 0'27      |
| October .   | 1'54  | 2'10      | 0'97      | 6'86          | 6'77      | 6'94      | 0'18  | 0'19      | 0'16      | 2'91  | 2'32     | 2'32      | 4'61      | 2'39      | 0'70  | 0'52      | 0'87      | 0'71  | 0'65      | 0'77      |
| November .  | 2'22  | 3'10      | 1'33      | 5'67          | 5'90      | 5'43      | 0'87  | 0'63      | 1'10      | 3'26  | 2'83     | 2'60      | 5'10      | 2'50      | 1'02  | 0'63      | 1'40      | 1'30  | 1'17      | 1'43      |
| December .  | 4'16  | 5'83††    | 2'48††    | 4'54          | 3'65      | 5'42      | 2'54  | 2'26      | 2'81      | 5'83  | 5'55     | 5'74      | 6'87      | 5'16      | 1'92  | 2'10      | 1'74      | 2'34  | 2'32      | 2'35      |
| Year .      | 2'43  | 3'31      | 1'55      | ?             | ?         | ?         | 2'22  | 1'74      | 2'69      | 5'23  | 5'08     | 5'19      | 6'31      | 4'34      | 1'91  | 1'71      | 2'11      | 2'15  | 2'00      | 2'30      |

\* Mean of 26 days.  
† " " 25 "  
‡ " " 28 "

§ Mean of 27 days.  
|| " " 24 "  
¶ " " 23 "

\*\* Mean of 20 days.  
†† " " 29 "  
‡‡ " " 30 "

7. PESHAWAR.

8. MURREE.

9. RAWALPINDI.

10. SIALKOT.

11A. LAHORE (New).

11B. LAHORE (Old).

| MONTH.      | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Mean. | 10 hours. | 16 hours. |
|-------------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|----------|-----------|-----------|-----------|-------|-----------|-----------|
| January .   | 6'52  | 6'32      | 6'71      | 7'45  | 7'32      | 7'58      | 5'58  | 5'48      | 5'68      | 5'87  | 5'71      | 6'03      | 4'24  | 3'19     | 4'87      | 6'07      | 2'81      | 5'40  | 5'06      | 5'74      |
| February .  | 4'81  | 5'29      | 4'32      | 6'29  | 6'07      | 6'50      | 3'95  | 3'96      | 3'93      | 4'54  | 4'50      | 4'57      | 3'38  | 3'32     | 3'64      | 3'96      | 2'61      | 4'00  | 3'89      | 4'11      |
| March .     | 6'28  | 5'68      | 6'87      | 7'78  | 7'19      | 8'36      | 4'45  | 3'90      | 5'00      | 5'66  | 5'09      | 6'22      | 3'78  | 3'55     | 4'58      | 4'48      | 2'52      | 5'02  | 4'68      | 5'35      |
| April .     | 4'92  | 3'06      | 6'77      | 5'07  | 4'47      | 5'67      | 2'15  | 1'89      | 2'40      | 3'13  | 2'63      | 3'63      | 2'06  | 1'20     | 2'20      | 3'43      | 1'40      | 2'88  | 2'23      | 3'53      |
| May .       | 1'91  | 1'23      | 2'58      | 3'40  | 2'77      | 4'03      | 1'79  | 1'19      | 2'39      | 2'26  | 2'19      | 2'32      | 2'23  | 2'32     | 1'77      | 2'68      | 2'14      | 1'95  | 1'42      | 2'48      |
| June .      | 0'85  | 0'37      | 1'33      | 4'20  | 3'50      | 4'90      | 1'17  | 1'17      | 1'17      | 3'00  | 3'40      | 2'60      | 3'81  | 4'00     | 4'60      | 4'10      | 2'53      | 3'94  | 4'30      | 3'57      |
| July .      | 2'39  | 1'84      | 2'94      | 7'50  | 7'87      | 7'13      | 2'97  | 3'84      | 2'10      | 4'94  | 5'77      | 4'10      | 4'33  | 4'42     | 6'10      | 4'39      | 2'42      | 4'70  | 5'74      | 3'65      |
| August .    | 2'55  | 1'42      | 3'68      | 7'27  | 7'09      | 7'45      | 2'58  | 3'77      | 1'39      | 3'81  | 3'90      | 3'71      | 2'23  | 2'94     | 2'16      | 2'65      | 11        | 2'05  | 1'91      | 2'19      |
| September . | 1'49  | 0'67      | 2'30      | 2'03  | 1'83      | 2'23      | 0'60  | 0'40      | 0'80      | 1'18  | 1'03      | 1'33      | 0'82  | 0'43     | 0'63      | 1'47      | 0'73      | 0'95  | 0'50      | 1'40      |
| October .   | 0'63  | 0'32      | 0'93      | 1'16  | 1'16      | 1'16      | 0'47  | 0'45      | 0'48      | 1'15  | 1'39      | 0'90      | 0'65  | 0'87     | 0'77      | 0'58      | 0'39      | 0'77  | 0'93      | 0'61      |
| November .  | 2'25  | 2'17      | 2'33      | 2'60  | 2'33      | 2'87      | 1'17  | 1'07      | 1'27      | 1'72  | 1'60      | 1'83      | 0'82  | 0'67     | 1'03      | 1'13      | 0'43      | 0'80  | 0'90      | 0'70      |
| December .  | 4'05  | 4'42      | 3'68      | 4'62  | 4'84      | 4'39      | 3'00  | 3'19      | 2'81      | 4'12  | 4'00      | 4'23      | 1'56  | 1'23     | 2'00      | 1'94      | 1'06      | 1'97  | 2'10      | 1'84      |
| Year .      | 3'22  | 2'73      | 3'70      | 4'95  | 4'70      | 5'19      | 2'49  | 2'53      | 2'45      | 3'45  | 3'43      | 3'46      | 2'49  | 2'35     | 2'86      | 3'07      | 1'68      | 2'87  | 2'81      | 2'93      |

TABLE XIII.—MEAN PROPORTION OF CLOUDED SKY IN 1886.

## 12. LUDHIANA.

## 13. CHAMBA.

## 14. KAILANG.

## 15. SIMLA.

## 16. DELHI.

## 17. SIRSA.

| MONTH.        | Mean. | 10 hours. | 16 hours. | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. |
|---------------|-------|-----------|-----------|-------|----------|-----------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|
| January . .   | 6.08  | 5.32      | 6.84      | 6.57  | 5.90*    | 6.74      | 7.84      | 5.81      | 7.44  | 7.20      | 7.68      | 6.65  | 5.94      | 7.35      | 4.96  | 4.94      | 4.97      | 4.92  | 4.58      | 5.26      |
| February . .  | 4.48  | 4.50      | 4.46      | 5.33  | 5.46     | 5.43      | 5.54      | 4.89      | 6.70  | 6.25      | 7.14      | 5.45  | 4.86      | 6.04      | 3.79  | 3.46      | 4.11      | 3.32  | 3.18      | 3.46      |
| March . . .   | 5.84  | 5.35      | 6.32      | 6.35  | 5.52     | 6.61      | 8.03      | 5.23      | 7.61  | 7.48      | 7.73†     | 6.15  | 5.61      | 6.68      | 5.99  | 5.81      | 6.16      | 4.28  | 3.74      | 4.81      |
| April . . .   | 3.59  | 3.47      | 3.70      | 4.20  | 3.13     | 3.50      | 6.63      | 3.53      | 5.65  | 4.10      | 7.20      | 3.50  | 3.03      | 3.96      | 2.36  | 2.26      | 2.46      | 1.97  | 1.87      | 2.07      |
| May . . . .   | 3.49  | 2.74      | 4.23      | 3.39  | 2.42     | 3.23      | 5.00      | 2.90      | 4.95  | 4.06      | 5.84      | 5.15  | 4.32      | 5.98      | 3.79  | 4.10      | 3.48      | 3.50  | 2.52      | 4.48      |
| June . . . .  | 4.17  | 4.33      | 4.00      | 3.47  | 3.63     | 3.20      | 4.53      | 2.53      | 5.32  | 4.60      | 6.03      | 5.71  | 5.55*     | 5.87      | 5.82  | 5.10      | 6.53      | 3.53  | 2.83      | 4.23      |
| July . . . .  | 6.92  | 7.16      | 6.68      | 7.62  | 8.58     | 7.29      | 6.90      | 7.71      | 6.71  | 6.65      | 6.77      | 9.37  | 9.19      | 9.55      | 7.79  | 7.36      | 8.22      | 6.60  | 6.32      | 6.87      |
| August . . .  | 5.47  | 5.29      | 5.65      | 6.52  | 7.00     | 6.71      | 6.26      | 6.10      | 6.00  | 6.16      | 5.84      | 8.82  | 8.90†     | 8.74      | 7.75  | 7.81      | 7.68      | 4.39  | 3.68      | 5.10      |
| September . . | 1.74  | 1.60      | 1.87      | 1.95  | 1.53     | 1.43      | 2.23      | 2.60      | 3.19  | 1.97      | 4.40      | 2.80  | 2.87      | 2.73      | 2.35  | 2.07      | 2.63      | 0.84  | 0.47      | 1.20      |
| October . . . | 1.70  | 1.74      | 1.65      | 1.87  | 1.71     | 2.16      | 2.32      | 1.29      | 3.42  | 2.52      | 4.32      | 2.58  | 2.29      | 2.87      | 2.15  | 2.06      | 2.23      | 0.95  | 0.74      | 1.16      |
| November . .  | 0.98  | 1.33      | 0.63      | 1.02  | 0.53     | 1.33      | 1.83      | 0.40      | 2.45  | 1.73      | 3.17      | 0.97  | 0.63      | 1.30      | 0.60  | 0.63      | 0.57      | 0.88  | 0.83      | 0.93      |
| December . .  | 3.54  | 3.52      | 3.55      | 3.94  | 3.26     | 4.42      | 4.61      | 3.48      | 5.66  | 5.58      | 5.74      | 3.96  | 3.81      | 4.10      | 2.84  | 2.55      | 3.13      | 2.81  | 2.13      | 3.48      |
| Year . . . .  | 4.00  | 3.86      | 4.13      | 4.35  | 4.06     | 4.34      | 5.14      | 3.87      | 5.43  | 4.86      | 5.99      | 5.09  | 4.75      | 5.43      | 4.18  | 4.01      | 4.35      | 3.17  | 2.74      | 3.59      |

\* Mean of 29 days.

† " " 30 "

## 18. CHAKRATA.

19. MUSSOOREE  
(TRIGL. S. O.)

## 20. DEHRA.

## 21. ROORKEE.

## 22. RANIKHET.

## 23. PITHORAGARH.

| MONTH.          | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 9 hours. | 15 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. |
|-----------------|-------|-----------|-----------|-------|-----------|-----------|-------|----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|
| January . . .   | 6.46  | 5.97      | 6.94      | ...   | ..        | ...       | 5.99  | 5.26     | 6.71      | 4.81  | 4.87      | 4.74      | 5.70  | 5.00      | 6.39      | 4.97  | 5.06      | 4.87      |
| February . . .  | 5.07  | 4.68      | 5.46      | ...   | ...       | ...       | 3.61  | 3.29     | 3.93      | 3.09  | 2.78      | 3.39      | 3.91  | 3.60      | 4.21      | 4.11  | 3.79      | 4.43      |
| March . . . .   | 5.26  | 4.81      | 5.71      | ...   | ...       | ...       | 5.07  | 4.45     | 5.68      | 3.99  | 4.13      | 3.84      | 5.60  | 5.10      | 6.10      | 5.61  | 5.22      | 6.00      |
| April . . . .   | 2.42  | 1.93      | 2.90      | ...   | ...       | ...       | 1.55  | 1.07     | 2.03      | 0.77  | 0.80      | 0.73      | 1.82  | 1.23      | 2.40      | 2.20  | 1.77      | 2.63      |
| May . . . . .   | 4.25  | 2.97      | 5.52      | ...   | ...       | ...       | 3.47  | 2.16     | 4.77      | 2.13  | 1.84      | 2.42      | 4.34  | 3.90      | 4.77      | 5.26  | 4.16      | 6.35      |
| June . . . . .  | 3.96  | 3.36      | 4.56      | ...   | ...       | ...       | 3.37  | 2.90     | 3.83      | 2.48  | 2.96      | 2.00      | 5.35  | 5.26      | 5.43      | 5.50  | 5.23      | 5.77      |
| July . . . . .  | 8.08  | 8.03      | 8.13      | ...   | ...       | ...       | 7.81  | 7.81     | 7.81      | 6.43  | 6.77      | 6.09      | 9.16  | 9.26      | 9.06      | 7.84  | 8.45      | 7.23      |
| August . . . .  | 8.16  | 8.00      | 8.32      | ...   | ...       | ...       | 7.45  | 7.55     | 7.35      | 6.13  | 7.22      | 5.03      | 8.93  | 9.22      | 8.64      | 8.32  | 8.61      | 8.03      |
| September . .   | 4.25  | 3.17      | 5.33      | ...   | ...       | ...       | 3.94  | 3.37     | 4.50      | 2.29  | 2.57      | 2.00      | 4.43  | 5.13      | 3.73      | 5.19  | 6.30      | 4.07      |
| October . . . . | 2.29  | 1.68      | 2.90      | ...   | ...       | ..        | 1.61  | 1.16     | 2.06      | 1.24  | 1.45      | 1.03      | 2.05  | 2.29      | 1.81      | 2.73  | 2.77      | 2.68      |
| November . . .  | 1.24  | 0.97      | 1.50      | ...   | ...       | ...       | 1.22  | 0.60     | 1.83      | 0.77  | 0.70      | 0.83      | 0.98  | 0.83      | 1.13      | 1.74  | 1.97      | 1.50      |
| December . . .  | 3.50  | 3.13      | 3.87      | 3.66  | 3.35      | 3.97      | 2.86  | 2.48     | 3.23      | 2.56  | 2.51      | 2.61      | 2.63  | 2.00      | 3.26      | 2.70  | 2.39      | 3.00      |
| Year . . . . .  | 4.58  | 4.06      | 5.10      | ?     | ?         | ?         | 4.00  | 3.51     | 4.48      | 3.06  | 3.22      | 2.89      | 4.58  | 4.40      | 4.74      | 4.68  | 4.64      | 4.71      |

TABLE XIII.—MEAN PROPORTION OF CLOUDED SKY IN 1886.

24. MEERUT.

25. BAREILLY.

26. AGRA.

27. LUCKNOW.

28. GORAKHPUR.

29. JHANSI.

| MONTH.        | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. |
|---------------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|
| January . .   | 4'34  | 4'32      | 4'35      | 2'74  | 2'90      | 2'58      | 2'86  | 2'81      | 2'90      | 3'15  | 2'32      | 3'97      | 0'87  | 0'84      | 0'90      | 1'05  | 1'10      | 1'00      |
| February . .  | 2'72  | 2'07      | 3'36      | 1'57  | 0'96      | 2'18      | 1'74  | 1'61      | 1'86      | 3'01  | 2'82      | 3'20      | 0'68  | 0'75      | 0'61      | 0     | 0         | 0         |
| March . .     | 4'45  | 4'90      | 4'00      | 3'53  | 3'29      | 3'77      | 4'07  | 3'58      | 4'55      | 4'78  | 4'16      | 5'39      | 1'95  | 1'96      | 1'93      | 1'05  | 1'03      | 1'06      |
| April . .     | 0'84  | 0'50      | 1'17      | 0'37  | 0'43      | 0'30      | 0'50  | 0'37      | 0'63      | 0'62  | 0'37      | 0'87      | 0'12  | 0'13      | 0'10      | 0'10  | 0         | 0'20      |
| May . .       | 2'23  | 2'06      | 2'39      | 1'89  | 2'42      | 1'35      | 1'58  | 1'84      | 1'32      | 2'06  | 1'77      | 2'35      | 1'42  | 1'77      | 1'06      | 0'78  | 0'42      | 1'13      |
| June . .      | 2'73  | 3'63      | 1'83      | 3'81  | 4'26      | 3'36      | 3'87  | 4'07      | 3'67      | 4'10  | 3'60      | 4'60      | 3'22  | 3'27      | 3'17      | 3'25  | 2'93      | 3'57      |
| July . .      | 7'00  | 7'64      | 6'35      | 7'08  | 7'77      | 6'39      | 7'97  | 8'10      | 7'84      | 7'78  | 8'29      | 7'26      | 4'95  | 5'13      | 4'77      | 5'63  | 5'84      | 5'42      |
| August . .    | 6'52  | 7'32      | 5'71      | 5'73  | 5'74      | 5'71      | 7'15  | 7'19      | 7'10      | 7'78  | 7'71      | 7'84      | 4'84  | 5'10      | 4'58      | 4'08  | 3'87      | 4'29      |
| September . . | 1'77  | 1'83      | 1'70      | 2'60  | 2'97      | 2'23      | 2'35  | 2'33      | 2'37      | 4'99  | 5'07      | 4'90      | 3'92  | 4'27      | 3'57      | 0'64  | 0'67      | 0'60      |
| October . .   | 1'50  | 1'84      | 1'16      | 1'42  | 1'42      | 1'42      | 2'99  | 3'26      | 2'71      | 4'52  | 4'48      | 4'55      | 2'70  | 3'00      | 2'39      | 2'47  | 2'81      | 2'13      |
| November . .  | 0'45  | 0'30      | 0'60      | 0'08  | 0'03      | 0'13      | 0'32  | 0'33      | 0'30      | 0'67  | 0'37      | 0'96      | 0'45  | 0'37      | 0'53      | 0'04  | 0         | 0'07      |
| December . .  | 2'39  | 2'32      | 2'45      | 2'10  | 1'61      | 2'58      | 2'55  | 2'26      | 2'84      | 3'10  | 2'68      | 3'52      | 1'55  | 1'45      | 1'65      | 1'65  | 1'68      | 1'61      |
| Year . .      | 3'08  | 3'23      | 2'92      | 2'74  | 2'82      | 2'67      | 3'16  | 3'15      | 3'17      | 3'88  | 3'64      | 4'12      | 2'22  | 2'34      | 2'11      | 1'73  | 1'70      | 1'76      |

30. ALLAHABAD.

31. BENARES.

32. GHAZIPUR.

33. KATMANDU.

34. SIBSAGAR.

35. TEZPUR.

| MONTH.        | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. |
|---------------|-------|----------|-----------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|
| January . .   | 1'67  | 1'81     | 1'87      | 2'26      | 0'74      | 1'92  | 1'94      | 1'90      | 1'21  | 1'00      | 1'41      | 3'68  | 4'58      | 2'77      | 5'34  | 6'23      | 4'45      | 2'52  | 2'61      | 2'42      |
| February . .  | 1'44  | 1'46     | 1'11      | 2'32      | 0'86      | 1'66  | 1'71      | 1'61      | 1'39  | 1'10      | 1'67      | 3'61  | 4'43      | 2'79      | 3'86  | 3'79      | 3'93      | 2'77  | 2'64      | 2'89      |
| March . .     | 3'29  | 2'87     | 3'03      | 4'90      | 2'35      | 3'00  | 2'29      | 3'71      | 2'29  | 2'03      | 2'54      | 4'30  | 3'94      | 4'65      | 4'58  | 4'61      | 4'55      | 2'95  | 2'74      | 3'19      |
| April . .     | 0'34  | 0'73     | 0'07      | 0'17      | 0'37      | 0'30  | 0'27      | 0'33      | 0'15  | 0'16      | 0'13      | 5'44  | 4'53      | 6'34*     | 5'05  | 5'23      | 4'87      | 3'09  | 3'40      | 2'77      |
| May . .       | 1'38  | 1'90     | 1'13      | 1'39      | 1'10      | 1'75  | 1'39      | 2'10      | 1'16  | 1'16      | 1'16      | 6'10  | 5'55      | 6'65      | 5'37  | 5'84      | 4'90      | 4'88  | 5'81      | 3'94      |
| June . .      | 4'19  | 5'33     | 4'27      | 4'23      | 2'93      | 4'37  | 4'10      | 4'63      | 3'05  | 3'10      | 3'00      | 5'49  | 5'27      | 5'70      | 6'82  | 7'47      | 6'17      | 6'15  | 7'73      | 4'57      |
| July . .      | 7'76  | 8'42     | 8'74      | 8'03      | 5'84      | 7'65  | 7'97      | 7'32      | 6'58  | 7'45      | 5'70      | 5'87  | 5'45      | 6'29      | 8'00  | 9'06      | 6'94      | 4'78  | 5'45      | 4'10      |
| August . .    | 8'11  | 8'58     | 8'23      | 8'19      | 7'42      | 7'50  | 7'61      | 7'39      | 6'55  | 7'19      | 5'90      | 7'31  | 6'61      | 8'00      | 7'70  | 8'13      | 7'26      | 4'81  | 5'13      | 4'48      |
| September . . | 5'37  | 5'57     | 5'30      | 5'83      | 4'77      | 5'75  | 5'80      | 5'70      | 5'33  | 5'73      | 4'93      | 5'82  | 5'67      | 5'97      | 7'82  | 8'27      | 7'37      | 3'27  | 3'67      | 2'87      |
| October . .   | 4'95  | 6'03     | 5'52      | 4'39      | 3'87      | 4'55  | 4'61      | 4'48      | 3'95  | 4'09      | 3'80      | 4'11  | 4'45      | 3'77      | 5'47  | 6'06      | 4'87      | 2'35  | 2'35      | 2'35      |
| November . .  | 0'97  | 0'77     | 0'90      | 1'37      | 0'83      | 1'39  | 1'00      | 1'77      | 0'98  | 0'76      | 1'20      | 1'87  | 1'67      | 2'07      | 1'95  | 1'87      | 2'03      | 2'10  | 2'20      | 2'00      |
| December . .  | 2'15  | 1'61     | 2'29      | 3'00      | 1'71      | 2'65  | 2'23      | 3'06      | 2'01  | 1'61      | 2'41      | 2'69  | 3'19      | 2'19      | 4'15  | 4'52      | 3'77      | 2'44  | 2'48      | 2'39      |
| Year . .      | 3'47  | 3'76     | 3'54      | 3'84      | 2'73      | 3'54  | 3'41      | 3'67      | 2'89  | 2'95      | 2'82      | 4'69  | 4'61      | 4'77      | 5'51  | 5'92      | 5'09      | 3'51  | 3'85      | 3'16      |

\* Mean of 29 days.

TABLE XIII.—MEAN PROPORTION OF CLOUDED SKY IN 1886.

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36. DHUBRI.

37. TURA.

38. SILCHAR.

39. DARJEELING.

40. PEDONG.

41. PURNEAH.

| MONTH.        | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. |
|---------------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|
| January . .   | 0'84  | 0'65      | 1'03      | 3'57  | 2'94      | 4'19      | 4'42  | 4'97      | 3'87      | 5'74  | 5'40*     | 6'07†     | 4'86  | 4'00*     | 5'71      | 0'92  | 0'97      | 0'87      |
| February . .  | 1'29  | 1'18      | 1'39      | 3'45  | 3'07      | 3'82      | 2'68  | 2'50      | 2'86      | 5'66  | 4'57      | 6'75      | 4'91  | 3'61      | 6'21      | 0'72  | 0'29      | 1'14      |
| March . .     | 1'79  | 1'87      | 1'71      | 4'83  | 4'26      | 5'39      | 4'83  | 5'00      | 4'65      | 3'92  | 3'97      | 3'87      | 5'13  | 4'23      | 6'03      | 0'99  | 1'00      | 0'97      |
| April . .     | 1'94  | 1'90      | 1'97      | 5'03  | 5'33      | 4'73      | 4'82  | 4'70      | 4'93      | 5'12  | 4'55†     | 5'68†     | 5'11  | 3'59†     | 6'62†     | 1'07  | 1'27      | 0'87      |
| May . .       | 4'10  | 5'32      | 2'87      | 6'42  | 6'29      | 6'55      | 5'45  | 5'74      | 5'16      | 7'62  | 7'90      | 7'33*     | 6'84  | 6'55      | 7'13*     | 3'41  | 3'71      | 3'10      |
| June . .      | 6'39  | 6'10      | 6'67      | 7'37  | 7'17      | 7'57      | 7'77  | 8'17      | 7'37      | 8'49  | 8'77      | 8'20      | 5'62  | 4'50      | 6'73      | 5'52  | 6'07      | 4'97      |
| July . .      | 6'34  | 6'13      | 6'55      | 7'70  | 8'16      | 7'23      | 8'81  | 9'16      | 8'45      | 9'58  | 9'47*     | 9'68      | 6'53  | 6'45      | 6'61      | 6'96  | 7'94      | 5'97      |
| August . .    | 7'44  | 7'65      | 7'23      | 8'03  | 8'00      | 8'06      | 8'52  | 8'68      | 8'35      | 8'98  | 8'68      | 9'27*     | 5'82  | 4'29      | 7'35      | 6'21  | 7'03      | 5'39      |
| September . . | 7'14  | 7'97      | 6'30      | 7'67  | 7'77      | 7'57      | 8'44  | 8'80      | 8'07      | 8'03  | 8'37      | 7'68†     | 5'82  | 4'90      | 6'73      | 6'82  | 7'47      | 6'17      |
| October . .   | 3'44  | 4'03      | 2'84      | 5'53  | 4'90      | 6'16      | 5'55  | 6'32      | 4'77      | 6'54  | 6'00*     | 7'07†     | 4'98  | 4'92†     | 5'03†     | 3'21  | 3'26      | 3'16      |
| November . .  | 0'67  | 1'13      | 0'20      | 3'49  | 3'07      | 3'90      | 2'62  | 2'43      | 2'80      | 3'62  | 3'37      | 3'87      | 3'20  | 2'93†     | 3'46†     | 0'89  | 0'77      | 1'00      |
| December . .  | 1'61  | 1'87      | 1'35      | 4'94  | 4'84      | 5'03      | 3'39  | 3'68      | 3'10      | 5'40  | 4'35      | 6'45      | 5'41  | 4'26      | 6'55      | 1'63  | 1'42      | 1'84      |
| Year . .      | 3'58  | 3'82      | 3'34      | 5'67  | 5'48      | 5'85      | 5'61  | 5'85      | 5'37      | 6'56  | 6'28      | 6'83      | 5'35  | 4'52      | 6'18      | 3'20  | 3'43      | 2'95      |

\* Mean of 30 days.

† Mean of 28 days.

† " " 29 "

§ " " 26 "

42. DURBHUNGA.

43. PATNA.

44. GYA.

45. HAZARIBAGH.

46. BERHAMPORE.

47. BURDWAN.

| MONTH.        | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. |
|---------------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|
| January . .   | 0'96  | 0'81      | 1'10      | 1'46  | 1'23      | 1'68      | 2'45  | 2'03      | 2'87      | 2'73  | 2'58      | 2'87      | 2'44  | 1'94      | 2'94      | 2'58  | 2'16      | 3'00      |
| February . .  | 0'85  | 0'78*     | 0'92†     | 2'15  | 1'93      | 2'36      | 1'84  | 1'61      | 2'07      | 1'65  | 1'61      | 1'68      | 1'36  | 1'54      | 1'18      | 0'70  | 0'57      | 0'82      |
| March . .     | 1'30  | 1'14†     | 1'45†     | 3'50  | 2'77      | 4'23      | 3'29  | 3'26      | 3'32      | 3'31  | 3'06      | 3'55      | 3'78  | 3'55      | 4'00      | 3'16  | 2'97      | 3'35      |
| April . .     | 0'52  | 0'40      | 0'63      | 0'54  | 0'40      | 0'67      | 0'14  | 0         | 0'27      | 0'82  | 0'33      | 1'30      | 2'03  | 1'93      | 2'13      | 0'55  | 0'67      | 0'43      |
| May . .       | 1'84  | 2'35      | 1'32      | 3'34  | 3'65      | 3'03      | 3'73  | 3'23      | 4'23      | 5'27  | 4'48      | 6'06      | 5'73  | 5'42      | 6'03      | 3'97  | 3'42      | 4'52      |
| June . .      | 4'54  | 5'07      | 4'00      | 5'85  | 5'73      | 5'97      | 5'95  | 5'67      | 6'23      | 8'64  | 7'10      | 8'97      | 8'25  | 7'77      | 8'73      | 6'48  | 5'93      | 7'03      |
| July . .      | 5'84  | 6'48      | 5'19      | 7'73  | 8'39      | 7'06      | 8'36  | 8'29      | 8'42      | 9'44  | 9'97      | 8'90      | 9'11  | 9'32      | 8'90      | 8'76  | 8'77      | 8'74      |
| August . .    | 6'44  | 7'26      | 5'61      | 8'49  | 8'84      | 8'13      | 7'91  | 7'84      | 7'97      | 9'44  | 9'65      | 9'23      | 8'58  | 8'61      | 8'55      | 8'52  | 8'55      | 8'48      |
| September . . | 6'38  | 7'03      | 5'73      | 8'72  | 9'03      | 8'40      | 7'05  | 6'93      | 7'17      | 8'98  | 8'93      | 9'03      | 8'60  | 8'50      | 8'70      | 8'75  | 8'70      | 8'80      |
| October . .   | 3'41  | 3'55      | 3'26      | 5'76  | 6'03      | 5'48      | 5'92  | 5'65      | 6'19      | 7'44  | 7'32      | 7'55      | 5'47  | 5'71      | 5'23      | 4'86  | 5'45      | 4'26      |
| November . .  | 0'82  | 0'70      | 0'93      | 1'79  | 1'47      | 2'10      | 2'40  | 1'83      | 2'97      | 3'69  | 3'57      | 3'80      | 2'70  | 2'40      | 3'00      | 3'54  | 3'37      | 3'70      |
| December . .  | 1'66  | 1'45      | 1'87      | 2'94  | 2'71      | 3'16      | 2'63  | 2'13      | 3'13      | 2'97  | 2'77      | 3'16      | 2'02  | 1'58      | 2'45      | 1'96  | 1'68      | 2'23      |
| Year . .      | 2'88  | 3'09      | 2'67      | 4'36  | 4'35      | 4'36      | 4'31  | 4'04      | 4'57      | 5'32  | 5'11      | 5'51      | 5'01  | 4'86      | 5'15      | 4'49  | 4'35      | 4'61      |

\* Mean of 27 days.

† " " 26 "

† " " 29 "

TABLE XIII.—MEAN PROPORTION OF CLOUDED SKY IN 1886.

48. JESSORE.

49. DACCA.

50. CHITTAGONG.

51. DEMAGIRI.

52. CALCUTTA.

| MONTH.       | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. |
|--------------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|----------|-----------|-----------|-----------|
| January . .  | 3'13  | 2'35      | 3'90      | 1'59  | 1'52      | 1'65      | 3'16  | 2'97      | 3'35      | 0'68  | 0'71      | 0'65      | 1'77  | 1'29     | 1'61      | 2'84      | 1'32      |
| February . . | 1'29  | 0'96      | 1'61      | 1'06  | 1'43      | 0'68      | 1'41  | 1'57      | 1'25      | 0'39  | 0'32      | 0'46      | 0'72  | 1'29     | 0'46      | 0'68      | 0'43      |
| March . .    | 4'13  | 4'16      | 4'10      | 3'42  | 3'74      | 3'10      | 5'04  | 5'81      | 4'26      | 1'90  | 1'61      | 2'19      | 2'76  | 2'90     | 2'68      | 3'06      | 2'39      |
| April . .    | 3'59  | 3'70      | 3'47      | 3'08  | 4'33      | 1'83      | 4'50  | 5'60      | 3'40      | 1'47  | 0'93      | 2'00      | 1'53  | 2'30     | 1'77      | 0'37      | 1'67      |
| May . .      | 6'97  | 7'19      | 6'74      | 5'37  | 5'55      | 5'19      | 6'26  | 6'65      | 5'87      | 3'10  | 2'58      | 3'61      | 4'06  | 3'48     | 4'10      | 4'58      | 4'06      |
| June . .     | 8'90  | 8'90      | 8'90      | 7'24  | 8'37      | 6'10      | 7'72  | 7'93      | 7'50      | 6'70  | 6'07      | 7'33      | 7'43  | 7'63     | 8'03      | 8'47      | 5'60      |
| July . .     | 9'45  | 9'32      | 9'58      | 7'58  | 8'03      | 7'13*     | 7'89  | 8'23      | 7'55      | 7'19  | 6'35      | 8'03      | 8'16  | 7'90     | 9'03      | 8'97      | 6'74      |
| August . .   | 9'55  | 9'68      | 9'42      | 7'91  | 8'87      | 6'94      | 8'86  | 8'71      | 9'00      | 7'19  | 6'48      | 7'90      | 8'09  | 8'26     | 8'58      | 8'87      | 6'65      |
| September .  | 9'47  | 9'30      | 9'63      | 7'24  | 8'07      | 6'40      | 7'72  | 7'23      | 8'20      | 5'97  | 5'40      | 6'53      | 7'84  | 7'77     | 8'67      | 8'70      | 6'20      |
| October . .  | 6'29  | 6'68      | 5'90      | 4'76  | 5'29      | 4'23      | 5'11  | 5'48      | 4'74      | 3'53  | 3'45      | 3'61      | 4'88  | 4'42     | 5'74      | 5'26      | 4'10      |
| November .   | 2'70  | 2'40      | 3'00      | 1'93  | 1'73      | 2'13      | 2'89  | 2'77      | 3'00      | 1'87  | 1'80      | 1'93      | 2'64  | 2'30     | 3'13      | 3'53      | 1'60      |
| December .   | 2'31  | 1'94      | 2'68      | 1'68  | 1'29      | 2'06      | 1'57  | 1'00      | 2'13      | 0'39  | 0'65      | 0'13      | 1'65  | 1'77     | 1'84      | 1'68      | 1'32      |
| Year . .     | 5'65  | 5'55      | 5'74      | 4'41  | 4'85      | 3'95      | 5'18  | 5'33      | 5'02      | 3'37  | 3'03      | 3'70      | 4'29  | 4'28     | 4'64      | 4'75      | 3'51      |

\* Mean of 30 days.

53. SAUGOR ISLAND.

54. CUTTACK.

55. FALSE POINT.

56. SAMBALPUR.

57. RAIPUR.

| MONTH.       | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. |
|--------------|-------|----------|-----------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|
| January . .  | 2'37  | 2'58     | 2'45      | 2'35      | 2'10      | 2'31  | 1'81      | 2'81      | 3'00  | 3'13      | 2'87      | 3'41  | 2'97      | 3'84      | 3'49  | 2'84      | 4'13      |
| February . . | 1'27  | 1'68     | 1'64      | 1'39      | 0'36      | 0'77  | 0'82      | 0'71      | 2'20  | 3'04      | 1'36      | 1'68  | 1'39      | 1'96      | 2'52  | 2'11      | 2'93      |
| March . .    | 3'52  | 3'10     | 4'10      | 4'23      | 2'65      | 2'68  | 2'26      | 3'10      | 3'95  | 4'09      | 3'81      | 2'79  | 2'58      | 3'00      | 3'02  | 2'29      | 3'74      |
| April . .    | 3'02  | 3'90     | 3'40      | 2'27      | 2'50      | 1'50  | 1'00      | 2'00      | 3'50  | 4'07      | 2'93      | 0'96  | 0'27      | 1'65      | 1'74  | 0'70      | 2'77      |
| May . .      | 4'59  | 4'65     | 5'68      | 4'65      | 3'39      | 5'55  | 5'10      | 6'00      | 5'34  | 5'39      | 5'29      | 3'66  | 3'77      | 3'55      | 4'10  | 3'13      | 5'06      |
| June . .     | 7'20  | 6'97     | 8'40      | 7'40      | 6'03      | 7'94  | 7'67      | 8'20      | 7'97  | 8'07      | 7'87      | 8'75  | 8'60      | 8'90      | 8'15  | 7'63      | 8'66*     |
| July . .     | 7'53  | 7'61     | 7'71      | 7'61      | 7'19      | 8'53  | 8'45      | 8'61      | 8'05  | 8'32      | 7'77      | 9'33  | 9'13      | 9'52      | 9'31  | 9'35      | 9'26      |
| August . .   | 7'77  | 8'13     | 8'32      | 7'90      | 6'74      | 8'70  | 8'52      | 8'87      | 7'60  | 7'35      | 7'84      | 8'99  | 8'56      | 9'42      | 9'07  | 8'71      | 9'42      |
| September .  | 6'42  | 5'97     | 6'97      | 7'07      | 5'67      | 7'92  | 7'80      | 8'03      | 7'53  | 7'53      | 7'53      | 8'28  | 7'83      | 8'73      | 8'56  | 8'20      | 8'80      |
| October . .  | 4'61  | 4'16     | 5'45      | 5'55      | 3'26      | 6'68  | 6'71      | 6'65      | 6'86  | 6'84      | 6'87      | 6'19  | 6'19      | 6'19      | 7'57  | 7'39      | 7'74      |
| November .   | 2'85  | 2'77     | 3'10      | 3'40      | 2'13      | 3'87  | 3'60      | 4'13      | 4'34  | 4'60      | 4'07      | 3'77  | 3'70      | 3'83      | 4'07  | 3'77      | 4'37      |
| December .   | 1'99  | 1'48     | 2'52      | 2'26      | 1'68      | 1'89  | 1'71      | 2'06      | 3'38  | 3'23      | 3'52      | 3'22  | 3'19      | 3'24      | 3'68  | 3'29      | 4'06      |
| Year . .     | 4'43  | 4'42     | 4'98      | 4'67      | 3'64      | 4'86  | 4'62      | 5'10      | 5'31  | 5'47      | 5'14      | 5'09  | 4'85      | 5'32      | 5'44  | 4'95      | 5'91      |

\* Mean of 29 days.



TABLE XIII.—MEAN PROPORTION OF CLOUDED SKY IN 1886.

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58. NAGPUR.

59. SEONI.

60. JUBBULPORE.

61. SAUGOR.

62. PACHMARHI, 63. HOSHANGABAD.

| MONTH.        | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. |
|---------------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|
| January . .   | 3'44  | 2'68      | 4'19      | 3'39  | 3'13      | 3'65      | 2'39  | 2'16      | 2'61      | 2'78  | 2'26      | 3'29      | 2'87  | 2'26      | 3'48      | 2'66  | 2'48      | 2'84      |
| February . .  | 2'02  | 1'39      | 2'64      | 2'93  | 2'54      | 3'32      | 1'07  | 0'93      | 1'21      | 1'48  | 1'32      | 1'64      | 1'02  | 0'82      | 1'21      | 1'39  | 1'32      | 1'46      |
| March . .     | 2'20  | 1'58      | 2'81      | 2'89  | 2'68      | 3'10      | 2'23  | 1'81      | 2'65      | 2'65  | 1'97      | 3'32      | 2'68  | 2'29      | 3'06      | 1'36  | 1'29      | 1'42      |
| April . .     | 1'62  | 0'67      | 2'57      | 2'60  | 2'10      | 3'10      | 0'55  | 0'07      | 1'03      | 0'70  | 0'27      | 1'13      | 1'12  | 0'43      | 1'80      | 0     | 0         | 0         |
| May . .       | 3'05  | 1'97      | 4'13      | 3'23  | 2'32      | 4'13      | 1'92  | 0'74      | 3'10      | 1'71  | 0'71      | 2'71      | 3'65  | 2'35      | 4'94      | 0'57  | 0'29      | 0'84      |
| June . .      | 7'80  | 6'83      | 8'77      | 5'37  | 4'40      | 6'33      | 6'22  | 5'07      | 7'37      | 5'37  | 4'37      | 6'37      | 6'85  | 6'27      | 7'43      | 5'22  | 4'80      | 5'63      |
| July . .      | 9'00  | 9'13      | 8'87      | 5'65  | 5'32      | 5'97      | 9'05  | 9'10      | 9'00      | 8'62  | 8'57*     | 8'66†     | 9'87  | 9'90      | 9'84      | 7'92  | 8'26      | 7'58      |
| August . .    | 8'65  | 8'00      | 9'29      | 5'00  | 4'58      | 5'42      | 8'05  | 7'81      | 8'29      | 7'14  | 7'00*     | 7'27*     | 9'68  | 9'55      | 9'81      | 7'95  | 8'00      | 7'90      |
| September . . | 5'35  | 4'40      | 6'30      | 3'75  | 3'03      | 4'47      | 4'75  | 4'57      | 4'93      | 3'75  | 3'60      | 3'90      | 5'99  | 5'60      | 6'37      | 4'70  | 4'60      | 4'80      |
| October . .   | 6'03  | 5'90      | 6'16      | 4'41  | 4'42      | 4'39      | 5'47  | 4'94      | 6'00      | 5'63  | 5'05      | 6'19      | 6'57  | 6'16      | 6'97      | 5'34  | 5'23      | 5'45      |
| November . .  | 2'54  | 2'00      | 3'07      | 3'35  | 3'23      | 3'47      | 1'40  | 1'17      | 1'63      | 1'08  | 0'73      | 1'43      | 1'75  | 1'43      | 2'07      | 1'47  | 1'20      | 1'73      |
| December . .  | 3'03  | 2'71      | 3'35      | 3'42  | 3'10      | 3'74      | 3'26  | 3'63      | 3'48      | 2'61  | 2'16      | 3'06      | 3'41  | 2'71      | 4'10      | 3'58  | 3'29      | 3'87      |
| Year . .      | 4'56  | 3'94      | 5'18      | 3'83  | 3'40      | 4'26      | 3'86  | 3'45      | 4'28      | 3'63  | 3'17      | 4'08      | 4'62  | 4'15      | 5'09      | 3'51  | 3'40      | 3'63      |

\* Mean of 30 days.

† " " 29 "

64. KHANDWA.

65. CHANDA.

66. SIRONCHA.

67. CHIKALDA.

68. BULDANA.

69. AKOLA.

| MONTH.        | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean.                           | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. |
|---------------|-------|-----------|-----------|-------|-----------|-----------|---------------------------------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|
| January . .   | 2'66  | 2'58      | 2'74      | 3'16  | 2'77      | 3'55      | 2'60                            | 2'03      | 3'16      | 3'29  | 3'00      | 3'58      | 3'66  | 3'16      | 4'16      | 2'02  | 1'90      | 2'13      |
| February . .  | 1'72  | 1'57      | 1'86      | 1'41  | 1'00      | 1'82      | 0'97                            | 0'89      | 1'04      | 0'95  | 0'86      | 1'04      | 2'11  | 1'54      | 2'68      | 0'80  | 0'46      | 1'14      |
| March . .     | 2'02  | 1'87      | 2'16      | 1'73  | 0'74      | 2'71      | 2'45                            | 1'61      | 3'29      | 1'91  | 1'97      | 1'84      | 1'60  | 1'61      | 1'58      | 0'76  | 0'71      | 0'81      |
| April . .     | 1'12  | 0'63      | 1'60      | 1'17  | 0'53      | 1'80      | 1'35                            | 0'77      | 1'93      | 0'82  | 0         | 1'63      | 1'37  | 0'87      | 1'87      | 1'09  | 0'77      | 1'40      |
| May . .       | 3'39  | 2'29      | 4'48      | 3'60  | 3'13      | 4'06      | 3'76                            | 2'68      | 4'84      | 3'82  | 2'48      | 5'16      | 3'76  | 2'77      | 4'74      | 3'84  | 2'35      | 5'32      |
| June . .      | 6'65  | 6'27      | 7'03      | 7'27  | 7'00      | 7'53      | 7'15                            | 6'96      | 7'33      | 7'15  | 7'43      | 6'87      | 6'55  | 5'93      | 7'17      | 6'70  | 5'73      | 7'67      |
| July . .      | 7'90  | 8'19      | 7'61      | 8'45  | 8'13      | 8'77      | 8'50                            | 8'45      | 8'55      | 9'50  | 9'74      | 9'26      | 7'49  | 7'45      | 7'52      | 8'61  | 8'48      | 8'74      |
| August . .    | 7'52  | 7'58      | 7'45      | 8'05  | 7'87      | 8'23      | 7'92                            | 7'84      | 8'00      | 8'47  | 8'87      | 8'06      | 8'00  | 8'29      | 7'71      | 8'71  | 8'65      | 8'77      |
| September . . | 4'42  | 4'53      | 4'30      | 5'17  | 4'77      | 5'57      | 5'65                            | 5'13      | 6'17      | 5'00  | 5'73      | 4'27      | 5'12  | 5'00      | 5'23      | 5'40  | 4'77      | 6'03      |
| October . .   | 5'47  | 5'52      | 5'42      | 5'83  | 5'10      | 6'55      | 6'10                            | 5'84      | 6'35      | 6'36  | 6'87      | 5'84      | 6'18  | 6'42      | 5'94      | 6'33  | 6'26      | 6'39      |
| November . .  | 1'74  | 1'47      | 2'00      | 2'47  | 2'07      | 2'87      | 2'93                            | 2'75*     | 3'10*     | 2'17  | 1'80      | 2'53      | 1'88  | 1'23      | 2'53      | 1'54  | 0'90      | 2'17      |
| December . .  | 3'33  | 3'00      | 3'65      | 2'87  | 2'58      | 3'16      | Observatory temporarily closed. |           |           | 3'87  | 3'77      | 3'97      | 3'75  | 3'81      | 3'68      | 3'15  | 2'74      | 3'55      |
| Year . .      | 4'00  | 3'79      | 4'19      | 4'27  | 3'81      | 4'72      | ?                               | ?         | ?         | 4'44  | 4'38      | 4'50      | 4'29  | 4'01      | 4'57      | 4'08  | 3'64      | 4'51      |

\* Mean of 20 days.

2 n

TABLE XIII.—MEAN PROPORTION OF CLOUDED SKY IN 1886.

70. AMRAOTI.

71. MAKHLA.

72. NEEMUCH.

73. NOWGONG.

74. SUTNA.

75. INDORE.

| MONTH.      | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. |
|-------------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|
| January .   | 3'36  | 3'06      | 3'65      | 5'42  | 5'13      | 5'71      | 3'39  | 3'06      | 3'71      | 5'07  | 5'39      | 4'74      | 1'71  | 1'29      | 2'13      | 1'65  | 1'55      | 1'74      |
| February .  | 1'66  | 1'36      | 1'96      | 4'72  | 4'57      | 4'86      | 1'84* | 0'96*     | 2'71*     | 4'25  | 3'82      | 4'68      | 1'25  | 1'04      | 1'46      | 1'13  | 1'00      | 1'25      |
| March .     | 1'97  | 1'87      | 2'06      | 4'60  | 4'42      | 4'77      | 1'79  | 1'58      | 2'00      | 5'66  | 4'58      | 6'74      | 2'38  | 1'52      | 3'23      | 1'60  | 1'32      | 1'87      |
| April .     | 0'93  | 0'53      | 1'33      | 3'07  | 2'03      | 4'10      | 1'05  | 0'67      | 1'43      | 1'08  | 0'73      | 1'43      | 0'50  | 0'40      | 0'60      | 0'92  | 0'13      | 1'70      |
| May .       | 3'50  | 2'23      | 4'77      | 5'34  | 4'16      | 6'52      | 2'67  | 0'65      | 4'68      | 3'37  | 2'32      | 4'42      | 1'70  | 0'87      | 2'52      | 2'92  | 1'32      | 4'52      |
| June .      | 6'57  | 6'13      | 7'00      | 8'24  | 8'30      | 8'17      | 6'07  | 5'50      | 6'63      | 6'99  | 6'10      | 7'87      | 3'72  | 2'93      | 4'50      | 6'90  | 6'23      | 7'57      |
| July .      | 8'21  | 8'29      | 8'13      | 9'71  | 9'84      | 9'58      | 9'35  | 9'53      | 9'16      | 9'26  | 9'29      | 9'23      | 7'11  | 7'35      | 6'87      | 9'41  | 9'65      | 9'16      |
| August .    | 8'46  | 8'26      | 8'65      | 9'55  | 9'55      | 9'55      | 8'55  | 8'45      | 8'65      | 8'99  | 8'52      | 9'45      | 6'47  | 6'55      | 6'39      | 9'02  | 8'74      | 9'29      |
| September . | 5'85  | 5'43      | 6'27      | 7'52  | 7'90      | 7'13      | 3'93  | 3'83      | 4'03      | 5'54  | 5'10      | 5'97      | 4'02  | 3'73      | 4'30      | 5'24  | 4'80      | 5'67      |
| October .   | 6'31  | 6'52      | 6'10      | 7'73  | 7'71      | 7'74      | 4'33  | 3'42†     | 5'23†     | 6'49  | 6'42      | 6'55      | 4'62  | 4'10      | 5'13      | 5'44  | 5'39      | 5'48      |
| November .  | 2'07  | 1'80      | 2'33      | 3'14  | 2'60      | 3'67      | 0'52  | 0'10      | 0'93      | 1'33  | 1'03      | 1'63      | 0'69  | 0'57      | 0'80      | 1'27  | 0'60      | 1'93      |
| December .  | 3'68  | 3'45      | 3'90      | 5'28  | 5'03      | 5'52      | 3'52  | 3'07†     | 3'96†     | 3'77  | 3'35      | 4'19      | 1'76  | 1'48      | 2'03      | 2'70  | 2'23      | 3'16      |
| Year .      | 4'38  | 4'08      | 4'68      | 6'19  | 5'94      | 6'44      | 3'92  | 3'40      | 4'43      | 5'15  | 4'73      | 5'58      | 2'99  | 2'65      | 3'33      | 4'02  | 3'58      | 4'45      |

\* Mean of 24 days.  
† „ „ 26 „

‡ Mean of 27 days.

76. BICKANEER

77. JEYPORE.

78. SAMBHAR.

79. AJMERE.

80. MOUNT

81. PACHPADRA.  
ABU.

| MONTH.      | Mean. | 10 hours. | 16 hours. | Mean. | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. |
|-------------|-------|-----------|-----------|-------|----------|-----------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|
| January .   | 4'18  | 3'84      | 4'52      | 3'17  | 2'58     | 3'16      | 3'93      | 3'00      | 3'18  | 2'65      | 3'71      | 2'17  | 1'65      | 2'68      | 2'87  | 2'32      | 3'42      | 2'47  | 1'97      | 2'97      |
| February .  | 3'02  | 2'68      | 3'36      | 2'34  | 1'46     | 2'50      | 3'46      | 1'92      | 2'65  | 2'43      | 2'86      | 1'91  | 1'43      | 2'39      | 1'86  | 1'07      | 2'64      | 1'89  | 1'57      | 2'21      |
| March .     | 3'41  | 2'84      | 3'97      | 3'33  | 2'70     | 3'38      | 4'74      | 2'48      | 3'71  | 3'35      | 4'06      | 2'36  | 2'23      | 2'48      | 2'54  | 1'84      | 3'23      | 3'10  | 2'19      | 4'00      |
| April .     | 2'00  | 1'37      | 2'63      | 1'26  | 1'30     | 1'06      | 1'90      | 0'79      | 1'15  | 0'63      | 1'67      | 0'93  | 0'43      | 1'43      | 0'37  | 0'37      | 0'37      | 1'08  | 0'33      | 1'83      |
| May .       | 1'81  | 1'58      | 2'03      | 2'22  | 2'03     | 0'87      | 3'48      | 2'48      | 1'97  | 0'97      | 2'97      | 1'21  | 0'61      | 1'81      | 1'70  | 1'68      | 1'71      | 2'26  | 1'42      | 3'10      |
| June .      | 2'52  | 1'93      | 3'10      | 5'03  | 5'20     | 4'26      | 5'93      | 4'73      | 3'60  | 3'60      | 3'60      | 2'45  | 2'40      | 2'50      | 4'37  | 4'53      | 4'20      | 3'22  | 3'33      | 3'10      |
| July .      | 5'92  | 5'71      | 6'13      | 7'12  | 6'93     | 7'80      | 8'09      | 5'67      | 7'21  | 7'06      | 7'35      | 5'52  | 5'45      | 5'58      | 9'28  | 9'42      | 9'13      | 7'07  | 7'26      | 6'87      |
| August .    | 5'08  | 4'55      | 5'61      | 6'68  | 5'22     | 7'25      | 8'22      | 6'03      | 6'10  | 5'42      | 6'77      | 5'16  | 5'13      | 5'19      | 9'21  | 9'26      | 9'16      | 7'03  | 7'19      | 6'87      |
| September . | 0'92  | 0'73      | 1'10      | 1'90  | 1'43     | 2'33      | 2'66      | 1'16      | 1'82  | 1'90      | 1'73      | 1'32  | 1'40      | 1'23      | 3'97  | 4'20      | 3'73      | 3'05  | 3'47      | 2'63      |
| October .   | 1'21  | 1'13      | 1'29      | 2'35  | 2'00     | 2'22      | 3'58      | 1'61      | 1'50  | 1'06      | 1'94      | 1'36  | 0'97      | 1'74      | 1'92  | 1'61      | 2'23      | 1'74  | 0'71      | 2'77      |
| November .  | 0'87  | 0'77      | 0'97      | 0'63  | 0'26     | 0'66      | 1'10      | 0'50      | 0'57  | 0'43      | 0'70      | 0'40  | 0'37      | 0'43      | 0'93  | 0'53      | 1'33      | 0'92  | 0'83      | 1'00      |
| December .  | 2'16  | 2'48      | 1'84      | 2'54  | 1'58     | 2'77      | 3'74      | 2'06      | 2'05  | 1'58      | 2'52      | 1'86  | 1'68      | 2'03      | 1'82  | 2'03      | 1'61      | 2'31  | 2'32      | 2'29      |
| Year .      | 2'76  | 2'47      | 3'05      | 3'21  | 2'72     | 3'19      | 4'24      | 2'70      | 2'96  | 2'59      | 3'32      | 2'22  | 1'98      | 2'46      | 3'40  | 3'24      | 3'56      | 3'01  | 2'72      | 3'30      |

TABLE XIII.—MEAN PROPORTION OF CLOUDED SKY IN 1886.

291

82. JACOBABAD.

83. HYDERABAD.

84. KURRACHEE.

85. BHUJ.

86. RAJKOT.

87. DEESA.

| MONTH.      | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean.            | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. |
|-------------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|------------------|-----------|-----------|-------|-----------|-----------|
| January .   | 3'60  | 3'58      | 3'61      | 0'94  | 0'97      | 0'91      | 2'89  | 2'52      | 3'26      | 2'12  | 2'12*     | 2'12*     | 2'20             | 1'81      | 2'58      | 3'05  | 2'71      | 3'39      |
| February .  | 3'50  | 3'79      | 3'21      | 1'29  | 1'61      | 0'96      | 2'88  | 3'11      | 2'64      | 1'09  | 1'07      | 1'11      | } Imperfect.     |           |           | 2'43  | 1'93      | 2'93      |
| March .     | 3'68  | 3'42      | 3'94      | 1'39  | 1'35      | 1'42      | 2'95  | 2'77      | 3'13      | 1'76  | 1'29      | 2'23      |                  |           |           | 2'53  | 1'87      | 3'19      |
| April .     | 1'25  | 1'10      | 1'40      | 0'24  | 0         | 0'47      | 0'22  | 0'07      | 0'37      | 0'25  | 0'17      | 0'33      | } Not recorded.  |           |           | 0'37  | 0'20      | 0'53      |
| May .       | 0'97  | 0'68      | 1'26      | 0'45  | 0'19      | 0'71      | 1'55  | 1'65      | 1'45      | 0'76  | 0'71      | 0'81      |                  |           |           | 1'81  | 1'45      | 2'16      |
| June .      | 0'20  | 0'20      | 0'20      | 0'57  | 0'70      | 0'43      | 3'60  | 4'10      | 3'10      | 3'97  | 4'23      | 3'70      | 4'29             | 3'97      | 4'60      | 5'43  | 5'33      | 5'53      |
| July .      | 2'15  | 2'23      | 2'06      | 3'32  | 3'35      | 3'29      | 7'31  | 7'68      | 6'94      | 8'11  | 8'61      | 7'61      | } Untrustworthy. |           |           | 9'42  | 9'35      | 9'48      |
| August .    | 0'94  | 0'97      | 0'90      | 2'58  | 2'97      | 2'19      | 7'24  | 8'06      | 6'42      | 7'94  | 8'10      | 7'77      |                  |           |           | 9'15  | 9'16      | 9'13      |
| September . | 0'30  | 0'43      | 0'17      | 1'12  | 1'10      | 1'13      | 4'10  | 4'57      | 3'63      | 3'72  | 3'90      | 3'53      |                  |           |           | 4'25  | 4'53      | 3'97      |
| October .   | 0'44  | 0'29      | 0'58      | 0'68  | 0'71      | 0'65      | 1'36  | 1'32      | 1'39      | 1'38  | 0'94      | 1'81      | 1'62             | 1'00      | 2'23      | 2'65  | 1'81      | 3'48      |
| November .  | 1'22  | 0'97      | 1'47      | 1'40  | 1'47      | 1'33      | 1'08  | 0'83      | 1'33      | 0'77  | 0'67      | 0'87      | 1'55             | 1'17      | 1'93      | 1'50  | 1'10      | 1'90      |
| December .  | 1'56  | 1'35      | 1'77      | 1'09  | 0'94      | 1'23      | 1'10  | 0'87      | 1'32      | 1'39  | 1'45      | 1'32      | 0'89             | 1'16      | 0'61      | 2'54  | 2'68      | 2'39      |
| Year .      | 1'65  | 1'58      | 1'71      | 1'26  | 1'28      | 1'23      | 3'02  | 3'13      | 2'92      | 2'77  | 2'77      | 2'77      | ?                | ?         | ?         | 3'76  | 3'51      | 4'01      |

\* Mean of 25 days.

† „ „ 30 „

88. SURAT.

89. MALEGAON.

90. BOMBAY.

91. POONA.

92. SHOLAPUR.

93. RATNAGIRI.

| MONTH.      | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 6 hours. | 10 hours. | 16 hours. | 22 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. |
|-------------|-------|-----------|-----------|-------|-----------|-----------|-------|----------|-----------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|
| January .   | 2'59  | 2'94      | 2'23      | 4'00  | 3'71      | 4'29      | 3'23  | 3'16     | 3'52      | 4'10      | 2'13      | 3'18  | 3'00      | 3'35      | 2'95  | 2'42      | 3'48      | 1'61  | 1'74      | 1'48      |
| February .  | 2'25  | 1'93      | 2'57      | 2'54  | 2'46      | 2'61      | 1'72  | 1'86     | 2'25      | 2'25      | 0'50      | 1'58  | 1'54      | 1'61      | 1'34  | 0'82      | 1'86      | 0'08  | 0'04      | 0'11      |
| March .     | 1'92  | 2'16      | 1'68      | 1'49  | 1'03      | 1'94      | 0'98  | 1'52     | 0'84      | 0'52      | 1'03      | 1'53  | 0'90      | 2'16      | 2'42  | 1'23      | 3'61      | 0'12  | 0'23      | 0         |
| April .     | 0'42  | 0'57      | 0'27      | 1'68  | 0'53      | 2'83      | 0'99  | 1'47     | 1'00      | 0'73      | 0'77      | 1'70  | 0'43      | 2'97      | 2'72  | 1'07      | 4'37      | 0'42  | 0'43      | 0'40      |
| May .       | 4'15  | 4'71      | 3'58      | 3'47  | 1'74      | 5'19      | 4'59  | 6'13     | 4'61      | 3'10      | 4'52      | 3'65  | 3'16      | 4'13      | 4'41  | 2'55      | 6'26      | 3'57  | 2'55      | 4'58      |
| June .      | 7'32  | 8'10      | 6'53      | 8'27  | 7'43      | 9'10      | 7'48  | 7'90     | 7'57      | 7'53      | 6'93      | 6'68  | 6'23      | 7'13      | 7'48  | 6'83      | 8'13      | 6'60  | 6'27      | 6'93      |
| July .      | 8'84  | 9'52      | 8'16      | 9'13  | 9'61      | 8'65      | 8'49  | 8'32     | 8'97      | 8'74      | 7'94      | 8'76  | 9'00      | 8'52      | 8'07  | 7'58      | 8'55      | 7'70  | 7'87      | 7'52      |
| August .    | 8'63  | 8'65      | 8'61      | 9'76  | 9'65      | 9'87      | 8'22  | 8'68     | 8'52      | 8'23      | 7'45      | 7'97  | 8'00      | 7'94      | 8'05  | 7'65      | 8'45      | 7'08  | 7'03      | 7'13      |
| September . | 5'63  | 5'83      | 5'43      | 7'15  | 6'13      | 8'17      | 6'23  | 8'03     | 5'93      | 5'97      | 4'97      | 6'35  | 5'50      | 7'20      | 7'03  | 6'43      | 7'63      | 4'15  | 3'87      | 4'43      |
| October .   | 5'10  | 5'48      | 4'71      | 7'52  | 7'10      | 7'94      | 5'66  | 7'00     | 4'97      | 5'52      | 5'13      | 5'89  | 5'48      | 6'29      | 7'92  | 7'52      | 8'32      | 3'75  | 3'26      | 4'23      |
| November .  | 2'09  | 2'27      | 1'90      | 2'10  | 1'73      | 2'47      | 2'74  | 3'90     | 3'07      | 1'90      | 2'10      | 3'04  | 2'57      | 3'50      | 4'74  | 4'30      | 5'17      | 1'39  | 1'10      | 1'67      |
| December .  | 2'29  | 2'74      | 1'84      | 4'39  | 4'00      | 4'77      | 2'38  | 1'97     | 2'61      | 3'32      | 1'61      | 3'90  | 3'77      | 4'03      | 3'99  | 3'68      | 4'29      | 0'87  | 0'97      | 0'77      |
| Year .      | 4'27  | 4'58      | 3'96      | 5'13  | 4'59      | 5'65      | 4'39  | 5'00     | 4'49      | 4'33      | 3'76      | 4'52  | 4'13      | 4'90      | 5'09  | 4'34      | 5'84      | 3'11  | 2'95      | 3'27      |

TABLE XIII.—MEAN PROPORTION OF CLOUDED SKY IN 1886.

| 94. BELGAUM. |       |           |           | 95. KARWAR. |           |           | 96. GOPALPUR. |           |           | 97. VIZAGAPATAM. |          |           |           |           | 98. RAJAH-MUNDY. |           |           | 99. MASULI-PATAM. |           |           |
|--------------|-------|-----------|-----------|-------------|-----------|-----------|---------------|-----------|-----------|------------------|----------|-----------|-----------|-----------|------------------|-----------|-----------|-------------------|-----------|-----------|
| MONTH.       | Mean. | 10 hours. | 16 hours. | Mean.       | 10 hours. | 16 hours. | Mean.         | 10 hours. | 16 hours. | Mean.            | 4 hours. | 10 hours. | 16 hours. | 22 hours. | Mean.            | 10 hours. | 16 hours. | Mean.             | 10 hours. | 16 hours. |
| January .    | 2'32  | 2'19      | 2'45      | 1'47        | 1'03      | 1'90      | 1'00          | 0'58      | 1'42      | 1'85             | 1'32     | 2'52      | 1'84      | 1'71      | 3'44             | 3'23      | 3'65      | Untrustworthy.    |           |           |
| February .   | 0'55  | 0'21      | 0'89      | 0'45        | 0'32      | 0'57      | 0'68          | 0'87      | 0'48      | 0'65             | 0'79     | 1'00      | 0'54      | 0'27      | 1'79             | 1'89      | 1'68      |                   |           |           |
| March .      | 1'28  | 0'55      | 2'00      | 1'19        | 1'10      | 1'27      | 2'37          | 1'32      | 3'42      | 2'00             | 2'03     | 2'13      | 2'26      | 1'58      | 3'00             | 3'61      | 2'39      |                   |           |           |
| April .      | 1'69  | 0'90      | 2'47      | 2'27        | 1'73      | 2'80      | 2'44          | 1'50      | 3'37      | 2'20             | 2'70     | 2'30      | 1'53      | 2'27      | 2'72             | 3'90      | 1'53      |                   |           |           |
| May .        | 3'86  | 3'42      | 4'29      | 3'99        | 3'52      | 4'45      | 3'53          | 2'58      | 4'48      | 4'75             | 4'81     | 5'10      | 4'55      | 4'55      | 5'81             | 5'55      | 6'06      |                   |           |           |
| June .       | 8'49  | 8'60      | 8'37      | 7'52        | 7'33      | 7'70      | 4'62          | 4'57      | 4'67      | 6'83             | 6'50     | 7'50      | 7'43      | 5'87      | 6'72             | 6'93      | 6'50      | 7'47              | 7'63      | 7'30      |
| July .       | 9'21  | 9'26      | 9'16      | 9'02        | 9'03      | 9'00      | 7'21          | 7'29      | 7'13      | 6'66             | 6'55     | 7'10      | 7'45      | 5'55      | 7'76             | 8'32      | 7'19      | 7'94              | 8'06      | 7'81      |
| August .     | 8'71  | 8'84      | 8'58      | 7'95        | 7'74      | 8'16      | 5'89          | 5'61      | 6'16      | 6'10             | 5'77     | 6'58      | 6'58      | 5'45      | 7'97             | 7'94      | 8'00      | 7'97              | 7'87      | 8'06      |
| September .  | 6'65  | 6'87      | 6'43      | 5'20        | 4'73      | 5'67      | 5'88          | 5'83      | 5'93      | 5'51             | 5'57     | 5'53      | 5'93      | 5'00      | 6'29             | 5'77      | 6'80      | 6'23              | 5'03      | 7'43      |
| October .    | 7'02  | 6'97      | 7'06      | 5'36        | 4'58      | 6'13      | 5'18          | 5'10      | 5'26      | 5'48             | 5'00     | 5'39      | 5'94      | 5'58      | 7'16             | 6'97      | 7'35      | 7'29              | 7'90      | 6'68      |
| November .   | 3'09  | 3'00      | 3'17      | 1'37        | 1'43      | 1'30      | 3'55          | 3'53      | 3'57      | 3'04             | 2'00     | 3'37      | 3'43      | 3'37      | 4'77             | 4'60      | 4'93      | 4'42              | 4'57      | 4'27      |
| December .   | 3'08  | 3'35      | 2'81      | 2'11        | 1'77      | 2'45      | 2'61          | 2'61      | 2'61      | 2'49             | 1'77     | 2'65      | 3'00      | 2'55      | 3'99             | 3'81      | 4'16      | 3'18              | 3'81      | 2'55      |
| Year .       | 4'66  | 4'51      | 4'81      | 3'99        | 3'69      | 4'28      | 3'75          | 3'45      | 4'04      | 3'96             | 3'73     | 4'26      | 4'21      | 3'65      | 5'12             | 5'21      | 5'02      | ?                 | ?         | ?         |

| 100. SECUNDERABAD. |       |           |           | 101. KURNOOL. |           |           | 102. BELLARY. |           |           | 103. MANGALORE. |           |           | 104. MERCARA. |           |           | 105. BANGALORE. |           |           |
|--------------------|-------|-----------|-----------|---------------|-----------|-----------|---------------|-----------|-----------|-----------------|-----------|-----------|---------------|-----------|-----------|-----------------|-----------|-----------|
| MONTH.             | Mean. | 10 hours. | 22 hours. | Mean.         | 10 hours. | 16 hours. | Mean.         | 10 hours. | 22 hours. | Mean.           | 10 hours. | 16 hours. | Mean.         | 10 hours. | 16 hours. | Mean.           | 10 hours. | 22 hours. |
| January .          | 2'65  | 2'20      | 3'10      | 2'57          | 1'87      | 3'26      | 2'28          | 1'87      | 2'68      | 1'54            | 1'68      | 1'39      | 3'50          | 3'68      | 3'32      | 2'56            | 2'55      | 2'56      |
| February .         | 0'89  | 1'07      | 0'70      | 0'54          | 0'54      | 0'54      | 0'25          | 0'29      | 0'21      | 0'41            | 0'57      | 0'25      | 1'50          | 1'04      | 1'96      | 1'57            | 1'68      | 1'46      |
| March .            | 2'56  | 2'00      | 3'11      | 1'55          | 0'61      | 2'48      | 0'79          | 0'42      | 1'15      | 1'24            | 1'87      | 0'61      | 3'78          | 2'39      | 5'16      | 2'25            | 2'10      | 2'40      |
| April .            | 2'09  | 1'47      | 2'70      | 1'68          | 0'53      | 2'83      | 1'62          | 0'37      | 2'87      | 2'60            | 2'47      | 2'73      | 5'47          | 4'13      | 6'80      | 2'56            | 2'27      | 2'85      |
| May .              | 4'72  | 4'00      | 5'44      | 4'77          | 2'77      | 6'77      | 5'13          | 4'35      | 5'90      | 5'50            | 5'74      | 5'26      | 7'12          | 7'13      | 7'10      | 4'22            | 4'00      | 4'44      |
| June .             | 7'84  | 7'53      | 8'15      | 7'75          | 8'03      | 7'47      | 7'25          | 7'27      | 7'23      | 8'50            | 8'23      | 8'77      | 9'05          | 8'80      | 9'30      | 5'61            | 5'50      | 5'72      |
| July .             | 8'44  | 8'48      | 8'39      | 7'94          | 7'97      | 7'90      | 7'78          | 7'45      | 8'11      | 9'42            | 9'39      | 9'45      | 9'53          | 9'48      | 9'58      | 7'88            | 8'29      | 7'47      |
| August .           | 7'17  | 7'52      | 6'82      | 7'73          | 8'00      | 7'45      | 7'83          | 7'68      | 7'98      | 8'85            | 8'54      | 9'16      | 9'32          | 9'35      | 9'29      | 7'51            | 7'84      | 7'18      |
| September .        | 6'13  | 5'73      | 6'53      | 7'10          | 6'93      | 7'27      | 6'49          | 5'90      | 7'07      | 7'25            | 6'83      | 7'67      | 7'94          | 7'47      | 8'40      | 6'37            | 6'53      | 6'20      |
| October .          | 6'74  | 6'87      | 6'61      | 6'97          | 7'23      | 6'70      | 6'71          | 6'77      | 6'65      | 6'08            | 5'58      | 6'58      | 7'62          | 7'29      | 7'94      | 6'33            | 6'55      | 6'11      |
| November .         | 3'07  | 3'03      | 3'10      | 4'44          | 3'70      | 5'17      | 4'00          | 4'33      | 3'67      | 2'77            | 2'40      | 3'13      | 4'57          | 4'33      | 4'80      | 4'41            | 4'84      | 3'97      |
| December .         | 2'96  | 3'23      | 2'68      | 4'29          | 4'32      | 4'26      | 3'86          | 4'65      | 3'06      | 2'63            | 2'19      | 3'06      | 5'18          | 4'84      | 5'52      | 4'37            | 5'48      | 3'26      |
| Year .             | 4'61  | 4'43      | 4'78      | 4'78          | 4'38      | 5'18      | 4'50          | 4'28      | 4'72      | 4'73            | 4'62      | 4'84      | 6'22          | 5'83      | 6'60      | 4'64            | 4'80      | 4'47      |

TABLE XIII.—MEAN PROPORTION OF CLOUDED SKY IN 1886.

293

106. CUDDAPAH.

107. MADRAS.

108. SALEM.

109. WELLINGTON.

110. CALICUT.

111. COIMBATORE.

| MONTH.      | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. |
|-------------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|
| January .   | 3'83  | 3'71      | 3'94      | 4'12  | 4'58      | 3'66      | 2'19  | 2'32      | 2'06      | 3'59  | 2'74      | 4'44      | 3'81  | 3'55      | 4'06      | 3'78  | 4'10      | 3'45      |
| February .  | 1'70  | 1'36      | 2'04      | 2'73  | 3'61      | 1'84      | 1'54  | 1'71      | 1'37      | 1'67  | 1'25      | 2'09      | 2'91  | 2'43      | 3'39      | 2'55  | 3'10      | 2'00      |
| March .     | 2'41  | 1'71      | 3'10      | 2'80  | 3'77      | 1'82      | 1'61  | 1'58      | 1'63      | 2'75  | 1'87      | 3'63      | 4'07  | 3'94      | 4'19      | 3'13  | 3'10      | 3'16      |
| April .     | 2'35  | 1'67      | 3'03      | 2'20  | 3'47      | 0'92      | 2'00  | 1'97      | 2'02      | 3'86  | 2'90      | 4'82      | 4'85  | 4'60      | 5'10      | 4'12  | 3'67      | 4'57      |
| May .       | 5'05  | 4'87      | 5'23      | 4'75  | 5'65      | 3'85      | 3'82  | 3'32      | 4'31      | 6'64  | 6'03      | 7'24      | 5'73  | 5'35      | 6'10      | 6'48  | 5'77      | 7'19      |
| June .      | 7'00  | 6'87      | 7'13      | 5'43  | 5'57      | 5'28      | 3'21  | 2'80      | 3'62      | 6'99  | 6'57      | 7'40      | 6'47  | 6'60      | 6'33      | 5'70  | 5'17      | 6'23      |
| July .      | 7'76  | 8'10      | 7'42      | 6'61  | 6'87      | 6'35      | 3'92  | 3'39      | 4'44      | 8'45  | 8'35      | 8'55      | 6'47  | 6'32      | 6'61      | 6'58  | 6'42      | 6'74      |
| August .    | 7'29  | 7'39      | 7'19      | 6'62  | 6'65      | 6'58      | 4'66  | 4'71      | 4'61      | 7'52  | 7'10      | 7'94      | 5'39  | 5'39      | 5'39      | 6'34  | 5'84      | 6'84      |
| September . | 6'45  | 6'47      | 6'43      | 4'67  | 4'63      | 4'71      | 3'97  | 3'67      | 4'27      | 6'14  | 5'40      | 6'88      | 5'59  | 5'67      | 5'50      | 5'59  | 4'87      | 6'30      |
| October .   | 7'05  | 7'06      | 7'03      | 6'79  | 7'13      | 6'44      | 3'76  | 3'10      | 4'42      | 6'18  | 5'48      | 6'87      | 5'35  | 5'38      | 5'32      | 5'40  | 4'77      | 6'03      |
| November .  | 4'88  | 4'26      | 5'50      | 5'06  | 5'63      | 4'48      | 3'31  | 3'13      | 3'48      | 5'15  | 4'40      | 5'90      | 4'29  | 4'10      | 4'47      | 5'52  | 5'30      | 5'73      |
| December .  | 4'44  | 4'55      | 4'32      | 5'18  | 5'48      | 4'87      | 3'44  | 3'23      | 3'65      | 5'16  | 4'71      | 5'61      | 4'26  | 4'03      | 4'49      | 5'50  | 5'77      | 5'23      |
| Year .      | 5'02  | 4'84      | 5'20      | 4'75  | 5'25      | 4'23      | 3'12  | 2'91      | 3'32      | 5'34  | 4'73      | 5'95      | 4'93  | 4'78      | 5'08      | 5'06  | 4'82      | 5'30      |

112. TRICHINOPOLY.

113. NEGAPATAM.

114. MADURA.

115. COCHIN.

116.

117.

118.

119.

120.

121.

122.

123.

| MONTH.      | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Mean. | 10 hours. | 16 hours. | Colombo. | Jafna. | Trincomalee. | Batticaloa. | Hambantota. | Galle. | Kandy. | Newera Eliya. |
|-------------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|----------|--------|--------------|-------------|-------------|--------|--------|---------------|
| January .   | 5'05  | 5'23      | 4'86      | 6'03  | 6'29      | 5'76      | 1'81  | 1'94      | 1'68      | 1'51  | 1'58      | 1'44      | 5'5      | 6'0    | 6'3          | 9'1         | 6'9         | 5'5    | 5'0    | 3'8           |
| February .  | 3'37  | 4'32      | 2'41      | 4'14  | 4'75      | 3'52      | 0'98  | 0'89      | 1'07      | 0'85  | 0'86      | 0'84      | 2'2      | 3'2    | 4'3          | 9'0         | 4'9         | 3'7    | 4'1    | 3'0           |
| March .     | 3'60  | 4'55      | 2'65      | 4'11  | 4'84      | 3'37      | 1'08  | 1'13      | 1'03      | 2'20  | 2'52      | 1'87      | 2'6      | 3'1    | 3'6          | 9'0         | 5'4         | 3'9    | 3'7    | 2'9           |
| April .     | 4'42  | 5'07      | 3'77      | 5'26  | 4'90      | 5'62      | 1'30  | 1'23      | 1'37      | 3'43  | 3'90      | 2'95      | 6'1      | 3'9    | 4'7          | 9'0         | 7'1         | 5'6    | 4'8    | 4'4           |
| May .       | 6'95  | 6'87      | 7'02      | 6'01  | 6'03      | 5'98      | 3'90  | 3'06      | 4'74      | 7'10  | 7'45      | 6'74      | 8'1      | 5'5    | 6'7          | 9'3         | 6'8         | 5'0    | 6'3    | 6'0           |
| June .      | 6'97  | 7'17      | 6'77      | 5'83  | 5'77      | 5'83      | 4'93  | 3'43      | 6'43      | 7'82  | 7'93      | 7'70      | 7'2      | 5'5    | 5'4          | 7'0         | 6'4         | 5'3    | 6'6    | 6'2           |
| July .      | 8'41  | 8'29      | 8'53      | 6'24  | 6'13      | 6'34      | 5'68  | 4'84      | 6'52      | 8'50  | 8'65      | 8'34      | 6'2      | 7'0    | 5'2          | 6'9         | 7'1         | 6'2    | ?      | 6'4           |
| August .    | 8'21  | 8'06      | 8'35      | 6'32  | 6'19      | 6'45      | 4'70  | 3'68      | 5'71      | 7'36  | 7'48      | 7'23      | 6'7      | 6'6    | 5'8          | 7'3         | 7'6         | 5'2    | 7'0    | 7'0           |
| September . | 6'36  | 6'61      | 6'11      | 5'09  | 4'90      | 5'27      | 3'62  | 2'57      | 4'67      | 6'05  | 6'50      | 5'60      | 6'8      | 4'9    | 5'1          | 6'9         | 7'1         | 5'3    | 6'4    | 6'9           |
| October .   | 6'34  | 6'00      | 6'68      | 6'10  | 6'00      | 6'19      | 4'50  | 3'32      | 5'68      | 5'62  | 6'16      | 5'08      | 6'9      | 5'2    | 4'8          | 6'9         | 7'4         | 5'5    | 6'3    | 7'2           |
| November .  | 6'05  | 6'47      | 5'62      | 6'61  | 6'83      | 6'38      | 4'33  | 4'33      | 4'33      | 4'19  | 4'30      | 4'07      | 6'6      | 7'5    | 6'5          | 7'3         | 8'2         | 6'1    | 6'2    | 6'0           |
| December .  | 6'48  | 6'84      | 6'11      | 6'58  | 6'87      | 6'29      | 4'21  | 4'13      | 4'29      | 2'78  | 2'71      | 2'84      | 5'1      | 8'1    | 6'3          | 7'3         | 6'5         | 5'5    | 5'8    | 5'4           |
| Year .      | 6'02  | 6'29      | 5'74      | 5'69  | 5'79      | 5'59      | 3'42  | 2'88      | 3'96      | 4'78  | 5'00      | 4'56      | 5'8      | 5'5    | 5'4          | 7'9         | 6'8         | 5'2    | ?      | 5'4           |

TABLE XIII.—MEAN PROPORTION OF CLOUDED SKY IN 1886.

124. MANDALAY.

125. AKYAB.\*

126. THAYETMYO.

127. TOUNGOO.

128. BASSEIN.

129. DIAMOND  
ISLAND.

| MONTH.        | Mean.                                      | 10<br>hours. | 16<br>hours. | Mean. | 10<br>hours. | 16<br>hours. | Mean. | 10<br>hours. | 16<br>hours. | Mean. | 10<br>hours. | 16<br>hours. | Mean. | 10<br>hours. | 16<br>hours. | Mean.      | 10<br>hours. | 16<br>hours. |
|---------------|--------------------------------------------|--------------|--------------|-------|--------------|--------------|-------|--------------|--------------|-------|--------------|--------------|-------|--------------|--------------|------------|--------------|--------------|
| January . .   | Observatory<br>opened in<br>November 1886. |              |              | 2'11  | 1'74         | 2'48         | 3'52  | 2'84         | 4'19         | 2'48  | 2'06         | 2'90         | 3'10  | 2'39         | 3'81         | 2'90       | 2'67*        | 3'13*        |
| February . .  |                                            |              |              | 0'71  | 1'28         | 0'14         | 2'07  | 2'25         | 1'89         | 1'66  | 1'39         | 1'93         | 2'41  | 2'43         | 2'39         | 2'84       | 2'93         | 2'74†        |
| March . .     |                                            |              |              | 2'13  | 3'03*        | 1'23*        | 1'86  | 0'97         | 2'74         | 0'53  | 0'32         | 0'74         | 1'52  | 1'71         | 1'32         | 2'23       | 2'23         | 2'23*        |
| April . .     |                                            |              |              | 2'08  | 2'83         | 1'33         | 1'36  | 0'36         | 2'36         | 1'74  | 1'87         | 1'60         | 1'25  | 1'27         | 1'23         | 2'70       | 2'70         | 2'70         |
| May . .       |                                            |              |              | 5'35  | 5'83†        | 4'86†        | 7'03  | 6'19         | 7'87         | 6'81  | 6'42         | 7'19         | 7'75  | 7'52         | 7'97         | Imperfect. |              |              |
| June . .      |                                            |              |              | 8'32  | 8'30         | 8'33         | 8'90  | 8'73         | 9'07         | 8'33  | 8'73         | 7'93         | 9'18  | 8'63         | 9'73         | 8'35       | 8'27         | 8'43         |
| July . .      |                                            |              |              | 7'84  | 7'87         | 7'81         | 8'65  | 8'29         | 9'00         | 8'68  | 9'39         | 7'97*        | 9'45  | 9'13         | 9'77         | 8'28       | 8'03         | 8'52         |
| August . .    |                                            |              |              | 6'94  | 7'32         | 6'55         | 8'73  | 8'45         | 9'00         | 9'05  | 9'16         | 8'94         | 9'58  | 9'29         | 9'87         | 8'03       | 7'87         | 8'19         |
| September . . |                                            |              |              | 6'12  | 6'45†        | 5'79†        | 6'87  | 6'67         | 7'07         | 6'64  | 6'70         | 6'57         | 8'70  | 8'20         | 9'20         | 7'24       | 6'90         | 7'57         |
| October . .   |                                            |              |              | 4'08  | 4'26         | 3'90         | 5'36  | 4'94         | 5'77         | 4'94  | 4'29         | 5'58         | 7'18  | 7'06         | 7'29         | 4'75       | 4'77*        | 4'73*        |
| November . .  | 3'67                                       | 4'10         | 3'23         | 3'88  | 4'13         | 3'63         | 5'12  | 5'10         | 5'13         | 5'22  | 4'73         | 5'70         | 6'15  | 6'37         | 5'93         | 5'44       | 5'37         | 5'50         |
| December . .  | 1'45                                       | 2'03         | 0'87         | 1'66  | 1'61         | 1'71         | 2'46  | 2'26         | 2'65         | 2'24  | 2'03         | 2'45         | 3'94  | 3'16         | 4'71         | 2'78       | 2'39         | 3'16         |
| Year . .      | ...                                        | ...          | ...          | 4'27  | 4'55         | 3'98         | 5'16  | 4'75         | 5'56         | 4'86  | 4'76         | 4'96         | 5'85  | 5'60         | 6'10         | ?          | ?            | ?            |

\* Mean of 30 days.

† " " 29 "

‡ Mean of 27 days.

130. RANGOON.

131. MOULMEIN.

132. MERGUI.

133. COCOS  
ISLAND.

134. PORT BLAIR.

135. NANCOWRY.

| MONTH.        | Mean. | 10<br>hours. | 16<br>hours. | Mean. | 10<br>hours. | 16<br>hours. | Mean. | 10<br>hours. | 16<br>hours. | Mean.                                 | 10<br>hours. | 16<br>hours. | Mean. | 10<br>hours. | 16<br>hours. | Mean. | 10<br>hours. | 16<br>hours. |
|---------------|-------|--------------|--------------|-------|--------------|--------------|-------|--------------|--------------|---------------------------------------|--------------|--------------|-------|--------------|--------------|-------|--------------|--------------|
| January . .   | 2'57  | 2'00         | 3'13         | 0'23  | 0'29         | 0'16         | 2'16  | 2'03         | 2'29         | Observatory<br>opened in May<br>1866. |              |              | 3'26  | 3'58         | 2'94         | 5'66  | 5'48         | 5'84         |
| February . .  | 2'34  | 2'21         | 2'46         | 0'91  | 0'96         | 0'86         | 4'79  | 5'18         | 4'39         |                                       |              |              | 2'11  | 2'11         | 2'11         | 4'86  | 4'43         | 5'29         |
| March . .     | 1'58  | 1'61         | 1'55         | 0'23  | 0'39         | 0'06         | 4'52  | 5'16         | 3'87         |                                       |              |              | 2'36  | 2'39         | 2'32         | 5'11  | 4'90         | 5'32         |
| April . .     | 0'97  | 0'83         | 1'10         | 0'40  | 0'80         | 0            | 4'55  | 4'57         | 4'53         |                                       |              |              | 3'47  | 3'47         | 3'47         | 6'02  | 5'67         | 6'37         |
| May . .       | 6'99  | 7'13         | 6'84         | 4'37  | 4'97         | 3'77         | 7'68  | 6'81         | 8'55         |                                       |              |              | 4'52  | 4'48         | 4'55         | 6'99  | 6'87         | 7'10         |
| June . .      | 7'69  | 8'10         | 7'27         | 7'19  | 7'70         | 6'67         | 9'07  | 8'87         | 9'27         | 8'60                                  | 8'60         | 8'60         | 8'12  | 8'10         | 8'13         | 7'23  | 7'23         | 7'23         |
| July . .      | 7'92  | 8'26         | 7'58         | 7'34  | 8'03         | 6'65         | 8'58  | 8'39         | 8'77         | 8'23                                  | 8'13         | 8'32         | 7'90  | 8'06         | 7'74         | 7'10  | 6'81         | 7'39         |
| August . .    | 7'98  | 8'19         | 7'77         | 6'00  | 6'87         | 5'13         | 8'16  | 7'42         | 8'90         | 8'04                                  | 7'42         | 8'65         | 7'63  | 7'55         | 7'71         | 5'68  | 5'39         | 5'97         |
| September . . | 7'20  | 7'80         | 6'60         | 4'13  | 5'03         | 3'23         | 8'35  | 8'17         | 8'53         | 7'27                                  | 7'33         | 7'20         | 7'32  | 7'40         | 7'23         | 5'85  | 5'45†        | 6'24†        |
| October . .   | 5'24  | 6'19         | 4'29         | 2'05  | 1'97         | 2'13         | 7'44  | 6'10         | 8'77         | 5'55                                  | 5'06         | 6'03*        | 6'66  | 6'48         | 6'84         | 5'53  | 5'45         | 5'61         |
| November . .  | 6'04  | 6'17         | 5'90         | 1'67  | 1'30         | 2'03         | 5'99  | 5'37         | 6'60         | 6'45                                  | 6'40         | 6'50         | 6'63  | 6'56         | 6'70         | 7'14  | 7'10         | 7'17         |
| December . .  | 3'00  | 2'51         | 3'48         | 0'21  | 0'23         | 0'19         | 2'54  | 2'26         | 2'81         | 3'40                                  | 3'19         | 3'61         | 4'67  | 4'94         | 4'39         | 4'99  | 4'81         | 5'16         |
| Year . .      | 4'96  | 5'08         | 4'83         | 2'89  | 3'21         | 2'57         | 6'15  | 5'86         | 6'44         | ?                                     | ?            | ?            | 5'59  | 5'63         | 5'56         | 6'04  | 5'82         | 6'26         |

\* Mean of 30 days.

† Mean of 29 days.

TABLE XIV.—INCHES OF RAINFALL IN EACH MONTH OF 1886. (500 STATIONS).

| PROVINCES.  | STATIONS.                 | January. | February. | March. | April. | May.   | June. | July. | August. | September. | October. | November. | December. | Total. |
|-------------|---------------------------|----------|-----------|--------|--------|--------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| ARABIA .    | Aden . . .                | 0'14     | 0'02      | 0'02   | ...    | ...    | ...   | ...   | ...     | 0'38       | ...      | 0'02      | ...       | 0'58   |
| PERSIA .    | Bushire . .               | 3'74     | 6'66      | 0'62   | 0'50   | ...    | ...   | ...   | ...     | ...        | ...      | ...       | 0'76      | 12'28  |
| LAKHADIVES  | Amini Divi .              | ...      | ...       | ...    | ?      | 7'35+? | 10'01 | 17'75 | 14'58   | 15'23      | 6'98     | 0'79      | 1'31      | ?      |
| BELUCHISTAN | Peshin . . .              | 2'17     | 1'37      | 4'20   | 0'04   | 1'22   | ...   | 0'68  | ...     | ...        | ...      | 0'18      | 0'42      | 10'28  |
|             | Kelat . . .               | 2'18     | 0'97      | 3'19   | ...    | 0'46   | ...   | 0'12  | 0'07    | ...        | ...      | 0'34      | ...       | 7'33   |
|             | Quetta . . .              | 2'01     | 2'08      | 4'00   | 0'09   | 0'41   | ...   | 0'54  | ...     | ...        | ...      | 0'25      | 0'19      | 9'57   |
| KASHMIR .   | Leh . . .                 | 0'33     | 0'29      | 0'52   | 0'17   | 0'01   | 0'55  | 0'21  | 0'22    | ...        | 0'01     | ...       | 0'05      | 2'36   |
|             | Abbottabad .              | 5'12*    | 4'64*     | 6'45   | 2'53   | 3'59   | 2'14  | 5'17  | 9'77    | 3'72       | 1'46     | 0'76      | 3'31      | 48'66  |
|             | Murree (Obsy.)            | 5'62*    | 4'00*     | 10'08  | 2'55   | 4'08   | 0'60  | 12'17 | 7'54    | 5'43       | 2'94     | 0'50      | 2'50      | 58'01  |
|             | Murree (Cutchery).        | 14'30*   | 3'80*     | 15'90  | 1'90   | 2'80   | 0'50  | 3'65  | 6'21    | 3'86       | 0'90     | 0'20      | 1'60†     | 55'62  |
|             | Murree (Brewery).         | 7'35*    | 5'86*     | 8'50   | 2'46   | 3'55   | 0'56  | 9'65  | 6'05    | 5'63       | 2'83     | 0'54      | 2'45      | 55'43  |
|             | Chamba . . .              | 7'62     | 4'21      | 6'69   | 0'66   | 3'57   | 1'92  | 8'20  | 5'40    | 1'62       | 0'79     | ...       | 3'98      | 44'66  |
|             | Dharmasala .              | 7'00     | 1'47      | 6'28   | 0'25   | 5'10   | 7'70  | 52'63 | 39'72   | 10'23      | 3'83     | ...       | 2'07      | 136'28 |
|             | Kailang . . .             | 4'01     | 3'04      | 3'73   | 3'50   | 2'69   | 0'13  | 1'35  | 0'47    | 0'04       | 0'18     | 0'01      | 0'99      | 20'14  |
|             | Kilba . . .               | 17'57    | 8'39      | 9'86   | 4'50   | 10'40  | 2'70  | 5'80  | 2'10    | 0'30       | 0'91     | 0'80      | 1'40      | 64'73  |
|             | Simla (Obsy.)             | 6'24     | 1'01      | 4'34   | 0'29   | 4'15   | 3'86  | 25'66 | 8'71    | 2'77       | 2'14     | 0'26      | 1'26      | 60'69  |
|             | Simla (Cutchery).         | 2'46     | 0'30      | 3'98   | 0'50   | 2'00   | 1'70  | 23'60 | 8'20    | 1'80       | 2'20     | 0'20      | 1'10      | 48'04  |
|             | Peshawar (Obsy.)          | 4'01     | 1'16      | 5'75   | 1'33   | 1'55   | ...   | 1'50  | ...     | 0'20       | 0'09     | 0'22      | 0'48      | 16'29  |
|             | Peshawar (Cut-<br>chery). | 4'20     | 1'10      | 6'20   | 1'60   | 1'40   | ...   | 1'40  | ...     | 0'20       | 0'10     | 0'20      | 0'60      | 17'00  |
|             | Kohat . . .               | 2'77     | 1'64      | 3'86   | 1'80   | 2'62   | 0'54  | 1'09  | 1'77    | 1'10       | ...      | 0'24      | 0'25      | 17'68  |
|             | Bannu . . .               | 2'30     | 0'90      | 4'50   | 0'80   | 1'50   | ...   | 3'40  | 2'20    | ...        | ...      | 0'50      | 0'10      | 16'20  |
|             | Dera Ismail Khan.         | 2'11     | 0'08      | 1'99   | ...    | 0'26   | 0'12  | 3'30  | 0'03    | ...        | ...      | 0'22      | 0'29      | 8'40   |
|             | Dera Ghazi Khan.          | 2'10     | ...       | 1'40   | ...    | 0'50   | ..    | 2'10  | ...     | ...        | ...      | 0'40      | ...       | 6'50   |
|             | Muzaffargarh .            | 1'20     | ...       | 0'90   | ...    | 0'90   | 0'20  | 1'00  | ...     | ...        | ...      | 0'70      | ...       | 4'90   |
|             | Mooltan (Obsy.)           | 1'44     | ...       | 1'42   | ...    | 0'06   | 0'04  | 3'02  | ...     | ...        | ...      | 0'58      | ...       | 6'56   |
|             | Mooltan (Cut-<br>chery).  | 1'50     | ...       | 1'50   | ...    | ..     | ...   | 3'00  | ...     | ...        | ...      | 0'50      | ...       | 6'50   |
|             | Jhang . . .               | 1'30     | ...       | 1'10   | ...    | ...    | 1'80  | 2'40  | ...     | ...        | ...      | ...       | ...       | 6'60   |
|             | Montgomery .              | 0'60     | ...       | 0'20   | ...    | 0'70   | 2'40  | 4'20  | 1'30    | ...        | ...      | 0'10      | ...       | 9'50   |
|             | Shahpur . . .             | 1'20     | 0'50      | 3'30   | ...    | 1'00   | 0'10  | 7'50  | 0'60    | 2'10       | ...      | ...       | ...       | 16'70  |
|             | Rawalpindi .              | 3'74     | 1'60      | 5'01   | 0'84   | 2'03   | 0'67  | 6'01  | 8'73    | 1'52       | 0'80     | 0'09      | 2'58      | 33'62  |
| PUNJAB .    | Jhelum . . .              | 3'20     | 0'40      | 4'40   | 0'90   | 1'40   | 4'50  | 6'30  | 5'90    | 0'10       | 2'00     | ...       | 1'23      | 30'33  |
|             | Gujrat . . .              | 4'20     | 0'20      | 4'40   | 0'10   | 1'20   | 4'50  | 7'80  | 4'20    | 0'50       | 2'50     | ...       | 0'40      | 30'00  |
|             | Sialkot (Obsy.)           | 4'15     | 0'37      | 4'32   | 0'17   | 1'24   | 12'88 | 15'07 | 9'07    | 0'94       | 0'82     | ...       | 0'93      | 49'96  |
|             | Sialkot (Cutchery)        | 3'31     | 0'25      | 2'95   | ...    | 0'94   | 12'99 | 12'12 | 9'46    | 0'98       | 0'89     | ...       | 0'93      | 44'82  |
|             | Gujranwala .              | 3'50     | 0'10      | 3'90   | ...    | 0'60   | 8'30  | 9'00  | 5'00    | 0'50       | 1'20     | ...       | ...       | 32'10  |
|             | Gurdaspur . .             | 3'97     | 0'40      | 5'70   | ...    | 3'00   | 9'20  | 18'80 | 6'60    | 5'36       | 0'40     | ...       | 2'00      | 55'43  |
|             | Dhariwal . . .            | 2'61     | 0'40      | 7'50   | ...    | 2'22   | 8'19  | 13'81 | 9'42    | 0'70       | 1'11     | ...       | 2'15      | 48'11  |

\* Snow water and rain.

† Snow converted.

TABLE XIV.—INCHES OF RAINFALL IN EACH MONTH OF 1886.

| PROVINCES.        | STATIONS.              | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|-------------------|------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| PUNJAB<br>—contd. | Lahore . . .           | 2'31     | 0'20      | 2'34   | ...    | 0'08 | 3'93  | 11'53 | 3'93    | 0'97       | 2'27     | 0'06      | 0'09      | 27'71  |
|                   | Amritsar . . .         | 1'80     | 0'40      | 3'50   | 0'20   | 0'20 | 8'40  | 13'60 | 0'50    | 0'20       | 1'80     | ...       | 0'10      | 30'70  |
|                   | Ferozepore . . .       | 2'10     | 0'30      | 1'70   | ...    | ...  | 6'40  | 4'90  | 1'50    | ...        | 1'50     | 0'20      | ...       | 18'60  |
|                   | Jullundur . . .        | 3'10     | ...       | 3'20   | 0'80   | ...  | 2'60  | 9'50  | 6'30    | 0'40       | 1'20     | ...       | 1'30      | 28'40  |
|                   | Hoshiarpur . . .       | 3'03     | 0'02      | 3'76   | ...    | 3'03 | 2'06  | 17'25 | 10'99   | 1'19       | 3'63     | 0'08      | 0'81      | 45'85  |
|                   | Ludhiana . . .         | 2'98     | 0'27      | 3'11   | 0'07   | 0'45 | 1'85  | 14'45 | 4'26    | 0'92       | 2'57     | 0'42      | 0'67      | 32'02  |
|                   | Umballa . . .          | 2'56     | 0'12      | 1'87   | ...    | 1'56 | 4'64  | 15'00 | 8'36    | 1'85       | 0'80     | ...       | 0'10      | 36'86  |
|                   | Sirsa . . .            | 0'74     | ...       | 0'05   | 0'03   | 0'35 | 3'16  | 5'87  | 2'19    | 0'05       | 0'55     | 0'02      | 0'02      | 13'03  |
|                   | Hissar . . .           | 1'30     | ...       | 2'50   | ...    | 0'40 | 3'60  | 10'30 | 4'60    | ...        | 0'40     | ...       | ...       | 23'10  |
|                   | Rohtak . . .           | 2'70     | ...       | 0'90   | ...    | 0'40 | 2'40  | 10'90 | 4'30    | 0'50       | 0'50     | ...       | ...       | 22'60  |
|                   | Delhi (Obsy.) . . .    | 1'23     | 0'12      | 0'28   | 0'01   | 0'54 | 10'42 | 9'65  | 4'75    | 1'24       | 1'28     | ...       | 0'06      | 29'58  |
|                   | Delhi (Cutchery) . . . | 1'76     | 0'12      | 0'83   | 0'01   | 0'88 | 9'70  | 9'55  | 7'40    | 0'47       | 1'07     | ...       | 0'11      | 31'90  |
|                   | Gurgaon . . .          | 0'70     | 0'10      | 0'50   | ...    | 0'50 | 9'80  | 10'80 | 1'10    | 0'60       | 0'70     | ...       | ...       | 24'80  |
|                   | Karnal . . .           | 1'00     | 0'20      | 1'10   | 0'40   | 2'00 | 7'10  | 13'60 | 4'20    | 0'20       | 0'50     | ...       | 0'60      | 30'90  |
|                   | Jeysulmere . . .       | 0'07     | ...       | 0'06   | ...    | 0'20 | 1'25  | 4'03  | 2'53    | ...        | ...      | ...       | ...       | 8'14   |
|                   | Phalodi . . .          | ...      | ...       | 0'14   | ...    | 0'22 | 2'32  | 4'11  | 0'18    | ...        | ...      | ...       | ...       | 6'97   |
|                   | Bhatki . . .           | ...      | ...       | ...    | ...    | 0'10 | 1'66  | 13'70 | 3'79    | 1'13       | 0'10     | ...       | ...       | 20'48  |
|                   | Bickaneer . . .        | 0'10     | ...       | 0'09   | ...    | 0'94 | 2'56  | 3'66  | 1'27    | ...        | ...      | ...       | ...       | 8'62   |
|                   | Nagar . . .            | 0'16     | ...       | 0'01   | 0'06   | 0'28 | 3'55  | 5'14  | 2'54    | 1'27       | 0'14     | ...       | ...       | 13'15  |
|                   | Didwana . . .          | 0'03     | ...       | 0'55   | ...    | 0'93 | 3'34  | 7'68  | 4'75    | 0'78       | 0'20     | ...       | ...       | 18'26  |
|                   | Jhunjhnu . . .         | 0'20     | ...       | 0'79   | ...    | 2'30 | 1'70  | 16'15 | 1'37    | 0'10       | ...      | ...       | ...       | 22'61  |
|                   | Khetri . . .           | ?        | ?         | ?      | ?      | ?    | ?     | 15'38 | 1'97    | 0'22       | 0'22     | ...       | ...       | ?      |
|                   | Sikar . . .            | ?        | ...       | ?      | ...    | 0'60 | 1'09  | 12'02 | 4'15    | 0'06       | 0'44     | 0'08      | ...       | ?      |
|                   | Sri Madhopur . . .     | 0'66     | ...       | 1'26   | ...    | 0'34 | 2'76  | 25'58 | 1'63    | 2'14       | 0'25     | ...       | ...       | 34'62  |
|                   | Ulwur . . .            | 0'27     | ...       | 0'53   | ...    | 0'35 | 3'54  | 13'57 | 1'08    | 2'58       | 0'53     | ...       | ...       | 22'45  |
| RAJPUTANA         | Bhurtpore . . .        | 0'25     | ...       | 0'72   | ...    | 0'34 | 2'45  | 11'14 | 5'47    | 1'78       | 0'30     | ...       | ...       | 22'45  |
|                   | Bandikui . . .         | 0'32     | ...       | 0'68   | ...    | 0'84 | 2'46  | 8'83  | 3'59    | 0'43       | 0'71     | ...       | ...       | 17'86  |
|                   | Jeypore . . .          | 0'58     | ...       | 0'06   | ...    | 0'34 | 1'61  | 10'34 | 4'65    | 1'29       | 1'01     | 0'02      | ...       | 19'90  |
|                   | Sambhar . . .          | 0'05     | ...       | 0'03   | ...    | 1'45 | 0'91  | 7'95  | 8'68    | 1'53       | 0'47     | ...       | ...       | 21'07  |
|                   | Kerowlee . . .         | 0'22     | ...       | ...    | ...    | 0'86 | 3'12  | 8'21  | 3'55    | 1'62       | 0'86     | ...       | ...       | 18'44  |
|                   | Lalsot . . .           | 0'04     | ...       | ...    | ...    | 0'36 | 1'49  | 10'37 | 10'56   | 1'30       | 0'15     | ...       | ...       | 24'27  |
|                   | Tonk . . .             | 0'12     | ...       | ...    | ...    | 1'06 | 3'60  | 6'63  | 9'89    | 0'38       | 0'21     | 0'13      | ...       | 22'02  |
|                   | Siwai Madhopur . . .   | 0'13     | ...       | ...    | ...    | 1'00 | 9'25  | 13'63 | 5'29    | 0'45       | 0'70     | ...       | ...       | 30'45  |
|                   | Deoli . . .            | 0'02     | ...       | 0'01   | ...    | 1'86 | 2'96  | 9'94  | 6'04    | 1'52       | 0'30     | ...       | ...       | 22'65  |
|                   | Kotah . . .            | 0'29     | ...       | 0'03   | ...    | 3'91 | 7'78  | 7'21  | 9'69    | 1'74       | 0'33     | 0'32      | ...       | 31'30  |
|                   | Jhalrapatan . . .      | 0'02     | ...       | ...    | ...    | 0'47 | 7'74  | 12'31 | 8'69    | 0'59       | 2'17     | 0'21      | 0'09      | 32'29  |
|                   | Ajmere . . .           | 0'20     | 0'05      | ...    | ...    | 0'95 | 1'89  | 3'94  | 4'60    | 1'50       | 2'01     | ...       | ...       | 15'14  |
|                   | Nusseerabad . . .      | 0'07     | ...       | ...    | ...    | 0'41 | 1'20  | 3'61  | 4'81    | ...        | 0'51     | ...       | ...       | 10'61  |
|                   | Malpura . . .          | 0'21     | ...       | ...    | ...    | 1'11 | 0'91  | 6'05  | 6'39    | 0'10       | 0'21     | ...       | ...       | 14'98  |



TABLE XIV.—INCHES OF RAINFALL IN EACH MONTH OF 1886.

| PROVINCES.            | STATIONS.                       | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|-----------------------|---------------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| RAJPUTANA<br>—contd.  | Beawar . . .                    | ...      | ...       | ...    | ...    | 0'10 | 1'65  | 3'70  | 3'95    | ...        | 0'50     | ...       | ...       | 9'90   |
|                       | Jodhpore . . .                  | ...      | 0'06      | ...    | 0'06   | 0'71 | 5'02  | 2'02  | 5'29    | ...        | ...      | ...       | ...       | 13'16  |
|                       | Jodhpore (Resi-<br>dency) . . . | ...      | 0'08      | 0'02   | ...    | 0'62 | 3'71  | 1'79  | 4'75    | ...        | ...      | ...       | ...       | 10'97  |
|                       | Pachpadra . . .                 | ...      | ...       | 0'28   | ...    | 0'20 | 1'88  | 5'46  | 4'29    | ...        | ...      | ...       | ...       | 12'11  |
|                       | Jasol . . .                     | ...      | ...       | 0'64   | ...    | ...  | 5'03  | 2'80  | 4'33    | ...        | 0'15     | ...       | ...       | 12'95  |
|                       | Barmer . . .                    | ...      | ...       | 0'40   | 0'11   | ...  | 3'12  | 2'36  | 4'13    | 0'80       | ...      | ...       | ...       | 10'92  |
|                       | Pali . . .                      | ...      | ...       | ...    | ...    | 0'13 | 6'66  | 2'21  | 7'18    | 0'50       | 0'68     | ...       | ...       | 17'36  |
|                       | Shahpoora . . .                 | 0'03     | ...       | ...    | ...    | 2'51 | 6'18  | 3'44  | 10'38   | 0'77       | 0'37     | ...       | ...       | 23'68  |
|                       | Erinpura . . .                  | 0'08     | ...       | 0'64   | ...    | ...  | 9'02  | 7'37  | 8'72    | 2'64       | 1'98     | ...       | ...       | 30'45  |
|                       | Sirohee . . .                   | ...      | ...       | ...    | ...    | 0'65 | 4'65  | 4'19  | 8'21    | 2'25       | ...      | ...       | ...       | 19'95  |
|                       | Mount Abu . . .                 | 0'06     | ...       | 0'23   | ...    | 0'97 | 7'29  | 27'67 | 21'11   | 2'28       | 0'04     | ...       | ...       | 59'65  |
|                       | Kotra . . .                     | ...      | ...       | 0'04   | ...    | 0'12 | 5'07  | 18'47 | 12'96   | 3'20       | 4'47     | ...       | ...       | 44'33  |
|                       | Oodeypore . . .                 | ...      | ...       | 0'09   | 0'50   | 0'16 | 3'88  | 9'09  | 14'14   | 4'58       | 0'82     | ...       | ...       | 33'26  |
|                       | Partabgarh . . .                | ...      | ...       | ...    | ...    | 0'56 | 2'24  | 11'64 | 17'06   | 0'53       | 4'39     | ...       | ...       | 36'42  |
|                       | Kherwara . . .                  | ...      | ...       | ...    | ...    | 0'33 | 8'07  | 7'93  | 10'06   | 1'14       | 2'01     | ...       | ...       | 29'54  |
|                       | Banswara . . .                  | ...      | ...       | ...    | ...    | 0'37 | 8'11  | 10'98 | 17'22   | 2'09       | 3'68     | ...       | ...       | 42'45  |
|                       | Neemuch (Obsy.) . . .           | ...      | ...       | ...    | ...    | 0'66 | 7'77  | 5'62  | 13'19   | 1'16       | 2'98     | ...       | 0'14      | 31'52  |
|                       | Neemuch (Cutch-<br>ery) . . .   | ...      | ...       | ...    | ...    | 0'66 | 7'72  | 5'13  | 11'43   | 1'73       | 1'69     | ...       | ...       | 28'36  |
|                       | Sirdarpore . . .                | ...      | ...       | ...    | ...    | 0'58 | 7'12  | 8'79  | 6'18    | 0'71       | 6'10     | ...       | ...       | 29'48  |
|                       | Agar . . .                      | 0'03     | ...       | 0'12   | ...    | 2'09 | 3'01  | 6'40  | 9'87    | 1'35       | 1'48     | ...       | 0'25      | 24'60  |
| CENTRAL INDIA         | Rutlam . . .                    | ...      | ...       | ...    | ...    | 0'91 | 6'51  | 5'95  | 12'93   | 3'23       | 7'10     | ...       | 0'01      | 36'64  |
|                       | Indore . . .                    | 0'02     | ...       | ...    | 0'05   | 4'24 | 11'11 | 7'93  | 6'36    | 0'59       | 3'67     | ...       | 0'36      | 34'33  |
|                       | Bhopal (Sehore) . . .           | ...      | ...       | ...    | ...    | 0'48 | 9'96  | 15'52 | 6'00    | 1'19       | 5'42     | ...       | 0'93      | 39'50  |
|                       | Goonā . . .                     | 0'31     | 0'11      | 0'18   | 0'01   | 0'33 | 3'85  | 10'18 | 12'27   | 1'18       | 3'89     | 0'33      | 0'24      | 32'88  |
|                       | Morar . . .                     | 0'41     | ...       | ...    | ...    | 0'17 | 1'83  | 15'80 | 6'81    | 0'90       | 3'13     | ...       | 0'01      | 29'06  |
|                       | Nowgong . . .                   | 0'27     | 0'07      | 0'97   | ...    | 0'89 | 3'41  | 17'09 | 8'75    | 4'82       | 4'94     | ...       | 3'33      | 44'54  |
|                       | Sutna . . .                     | 0'65     | 0'20      | 0'79   | ...    | 0'47 | 3'09  | 20'15 | 3'63    | 5'29       | 6'91     | ...       | 1'31      | 42'49  |
|                       | Nagode . . .                    | ...      | ...       | 1'39   | ...    | 0'90 | 2'76  | 17'96 | 4'92    | 4'88       | 6'07     | ...       | 1'57      | 40'45  |
|                       | Maihar . . .                    | 0'07     | ...       | 0'22   | ...    | 0'40 | 5'41  | 21'82 | 6'95    | 2'58       | 5'87     | ...       | 1'79      | 45'11  |
|                       | Rewah . . .                     | 0'52     | 0'05      | 0'56   | ...    | 1'25 | 11'30 | 17'87 | 8'03    | 5'77       | 5'21     | 0'04      | 1'04      | 51'64  |
|                       | Chandia . . .                   | ...      | ...       | 0'81   | ...    | 0'53 | 4'62  | 18'18 | 5'95    | 4'93       | 7'76     | ...       | 0'96      | 43'74  |
|                       | Ramnagar . . .                  | ...      | 0'32      | 0'43   | ...    | 0'11 | 7'08  | 18'33 | 7'69    | 7'60       | 6'09     | ...       | 0'72      | 48'37  |
|                       | Sihawal (Bardi) . . .           | 0'75     | 0'10      | 3'58   | ...    | 0'80 | 8'18  | 12'50 | 8'48    | 8'40       | 7'82     | 0'58      | 0'15      | 51'34  |
|                       | Sitlaha . . .                   | 0'92     | 0'20      | 0'63   | ...    | 0'10 | 6'97  | 19'80 | 6'19    | 8'18       | 7'21     | 0'06      | 1'44      | 51'70  |
| N.-W. PROVIN-<br>CES. | Sohagpur . . .                  | ...      | 0'05      | 1'85   | 0'50   | 0'65 | 11'75 | 20'46 | 3'94    | 3'95       | 5'72     | 0'53      | 0'50      | 49'90  |
|                       | Chakrata . . .                  | 5'06     | 2'12      | 5'23   | 0'27   | 3'35 | 2'45  | 15'89 | 12'69   | 1'73       | 0'48     | 0'06      | 1'47      | 50'80  |
|                       | Mussooree . . .                 | 4'51     | 0'63      | 4'87   | 0'50   | 6'04 | 4'11  | 37'03 | 37'14   | 3'50       | 2'38     | ...       | 1'75      | 102'46 |
|                       | Strinagar . . .                 | 3'00     | 3'20      | 4'40   | 0'10   | 4'30 | 2'80  | 9'40  | 9'60    | 3'90       | 1'00     | ...       | 0'43      | 42'13  |
|                       | Pauri . . .                     | 2'37     | 1'65      | 4'86   | 0'15   | 3'28 | 6'65  | 13'36 | 10'30   | 1'26       | 0'67     | ...       | 0'25      | 44'80  |

TABLE XIV.—INCHES OF RAINFALL IN EACH MONTH OF 1886.

| PROVINCES.             | STATIONS.                            | January. | February. | March. | April. | May. | June. | July.  | August. | September. | October. | November. | December. | Total. |
|------------------------|--------------------------------------|----------|-----------|--------|--------|------|-------|--------|---------|------------|----------|-----------|-----------|--------|
| N.-W. PROVINCES—contd. | Ranikhet . . .                       | 3'19     | 0'98      | 6'20   | 0'14   | 3'34 | 3'42  | 14'02  | 21'14   | 2'07       | 0'93     | 0'10      | 0'02      | 55'55  |
|                        | Almora . . .                         | 2'53     | 0'59      | 5'48   | ...    | 4'24 | 5'75  | 5'43   | 11'42   | 1'14       | 0'84     | ...       | ...       | 37'42  |
|                        | Pithoragarh . .                      | 2'45     | 1'52      | 5'62   | 0'73   | 7'53 | 4'21  | 14'24  | 15'60   | 4'84       | 1'33     | ...       | 0'07      | 58'14  |
|                        | Naini Tal . . .                      | 2'40     | 0'70      | 5'80   | 0'70   | 6'10 | 11'50 | 16'40  | 48'40   | 2'00       | 1'90     | ...       | ...       | 95'90  |
|                        | Dehra Dun . . .                      | 3'30     | 1'70      | 2'79   | 0'03   | 3'58 | 7'74  | 35'51' | 28'32   | 8'06       | 3'77     | 0'03      | 0'99      | 95'82  |
|                        | Dehra Dun (Forest school low level). | 3'42     | 1'66      | 2'83   | ...    | 3'79 | 8'69  | 33'33  | 27'88   | 7'46       | 4'71     | 0'04      | 0'97      | 94'78  |
|                        | Saharanpur . .                       | 1'69     | 0'10      | 0'80   | ...    | 2'36 | 6'13  | 6'30   | 10'70   | 2'08       | 0'05     | ...       | 1'12      | 31'33  |
|                        | Roorkee . . .                        | 3'08     | 0'35      | 0'80   | ...    | 1'78 | 4'61  | 9'56   | 12'01   | 1'23       | 0'37     | 0'06      | 0'10      | 33'95  |
|                        | Muzaffarnagar .                      | 1'35     | ...       | 0'92   | ...    | 1'60 | 4'71  | 7'20   | 10'95   | 3'00       | 0'40     | ...       | 0'15      | 30'28  |
|                        | Bijnor . . .                         | 1'60     | ...       | 2'42   | ...    | 2'16 | 5'56  | 7'19   | 11'73   | 2'58       | 0'22     | ...       | ...       | 33'46  |
|                        | Meerut . . .                         | 1'37     | 0'16      | 1'31   | ...    | 3'70 | 5'95  | 6'15   | 11'41   | 3'47       | 0'58     | ...       | 0'25      | 34'35  |
|                        | Moradabad . .                        | 1'58     | 0'01      | 2'10   | ...    | 2'00 | 4'97  | 12'14  | 18'85   | 6'70       | 0'50     | ...       | ...       | 48'85  |
|                        | Rudarpur . . .                       | 1'40     | ...       | 2'60   | ...    | 1'70 | 8'50  | 10'70  | 14'80   | 3'40       | ...      | ...       | ...       | 43'10  |
|                        | Pilibhit . . .                       | 1'50     | ...       | 3'10   | ...    | 2'10 | 5'50  | 9'80   | 23'00   | 11'50      | 1'50     | ...       | ...       | 58'00  |
|                        | Bulandshahr . .                      | 1'40     | ...       | 1'40   | ...    | 2'10 | 7'70  | 1'31   | 18'40   | 0'50       | 0'40     | ...       | ...       | 33'21  |
|                        | Bareilly . . .                       | 1'03     | 0'03      | 2'98   | ...    | 1'70 | 10'75 | 11'62  | 16'39   | 6'64       | 0'77     | ...       | 0'02      | 51'93  |
|                        | Budaun . . .                         | 0'77     | ...       | 2'66   | ...    | 0'37 | 6'06  | 8'63   | 20'91   | 11'17      | 0'72     | ...       | 0'20      | 51'49  |
|                        | Shahjahanpur .                       | 0'22     | ...       | 2'17   | ...    | 1'23 | 11'10 | 9'06   | 19'13   | 9'53       | 3'08     | ...       | ...       | 55'52  |
|                        | Aligarh . . .                        | 0'45     | ...       | 0'90   | ...    | 1'19 | 7'32  | 12'22  | 6'60    | 7'50       | 0'45     | ...       | ...       | 36'63  |
|                        | Muttra . . .                         | 0'45     | ...       | 1'18   | ...    | 0'16 | 5'40  | 13'00  | 6'42    | 0'52       | 0'30     | ...       | ...       | 27'43  |
|                        | Agra . . .                           | 0'43     | ...       | 0'28   | ...    | 0'50 | 5'26  | 15'60  | 9'46    | 1'61       | 0'02     | ...       | ...       | 33'16  |
|                        | Etah . . .                           | 0'50     | ...       | 2'70   | ...    | 1'00 | 4'60  | 6'60   | 9'20    | 4'90       | ...      | ...       | ...       | 29'50  |
|                        | Mainpuri . . .                       | 0'20     | ...       | 0'30   | ...    | 1'85 | 4'80  | 10'40  | 7'30    | 5'60       | ...      | ...       | ...       | 30'45  |
|                        | Farrukhabad . .                      | 0'29     | ...       | 0'58   | ...    | 0'16 | 10'95 | 13'95  | 11'19   | 1'50       | 2'90     | ...       | ...       | 41'52  |
|                        | Etawah . . .                         | 0'43     | ...       | 0'21   | ...    | 2'18 | 3'67  | 9'32   | 5'63    | 3'67       | 0'90     | ...       | 0'24      | 26'25  |
|                        | Cawnpore . . .                       | 0'19     | ...       | 0'34   | ...    | 0'99 | 5'17  | 8'69   | 12'11   | 1'75       | 4'16     | ...       | 0'39      | 33'79  |
|                        | Fatehpur . . .                       | ...      | ...       | 2'22   | ...    | ...  | 8'70  | 10'12  | 8'25    | 1'78       | 4'36     | ...       | 1'72      | 37'15  |
|                        | Jalaun (Orai) .                      | ...      | ...       | ...    | ...    | ...  | 1'50  | 19'20  | 5'60    | 11'80      | 1'50     | ...       | 0'50      | 40'10  |
|                        | Hamirpur . . .                       | ...      | ...       | 0'20   | ...    | 0'34 | 5'62  | 10'12  | 6'51    | 3'63       | 3'09     | ...       | 1'57      | 31'08  |
|                        | Banda . . .                          | ...      | ...       | 0'59   | ...    | 0'35 | 7'10  | 18'11  | 2'55    | 3'91       | 4'59     | ...       | 2'45      | 39'65  |
|                        | Allahabad . . .                      | 0'12     | 0'04      | 1'22   | ...    | 0'50 | 7'65  | 8'41   | 7'51    | 6'73       | 2'82     | 0'01      | 2'15      | 37'16  |
|                        | Basti . . .                          | 0'09     | ...       | 0'51   | ...    | 1'51 | 7'19  | 11'92  | 11'80   | 8'40       | 6'92     | ...       | 0'20      | 48'54  |
|                        | Gorakpur . . .                       | 0'22     | 0'11      | 1'43   | ...    | 3'00 | 9'56  | 14'22  | 8'65    | 5'07       | 9'73     | ...       | 0'99      | 52'98  |
|                        | Azamgarh . . .                       | ...      | ...       | 0'91   | ...    | 0'30 | 8'89  | 20'27  | 12'02   | 5'83       | 5'24     | ...       | 1'40      | 54'86  |
|                        | Jaunpur . . .                        | ...      | ...       | 0'80   | ...    | 0'70 | 11'98 | 15'63  | 11'88   | 11'80      | 8'04     | ...       | 1'16      | 61'99  |
|                        | Benares . . .                        | 0'22     | 0'07      | 1'41   | ...    | 0'54 | 10'33 | 16'20  | 7'07    | 7'71       | 5'38     | 0'12      | 0'64      | 49'69  |
|                        | Mirzapur . . .                       | 0'11     | ...       | 1'47   | ...    | 0'26 | 5'31  | 10'38  | 11'80   | 4'87       | 4'95     | 0'01      | 0'71      | 39'87  |
|                        | Ghazipur . . .                       | ...      | ...       | 0'30   | ...    | 0'47 | 7'82  | 19'11  | 10'95   | 6'60       | 5'08     | ...       | 0'70      | 51'03  |
|                        | Ballia . . .                         | ...      | ...       | 0'08   | ...    | 0'95 | 10'95 | 16'29  | 13'09   | 5'57       | 12'30    | 0'40      | 0'63      | 60'26  |

TABLE XIV.—INCHES OF RAINFALL IN EACH MONTH OF 1886.

| PROVINCES.                  | STATIONS.                      | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|-----------------------------|--------------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| N.-W. PROV-<br>INCES—concl. | Dudhi . . .                    | ...      | ...       | 4'03   | ...    | ...  | 9'79  | 4'90  | 7'34    | 7'51       | 5'39     | ...       | ...       | 38'96  |
|                             | Robertsganj . .                | 0'04     | ...       | 1'20   | ...    | 1'50 | 6'09  | 8'49  | 11'52   | 15'31      | 3'85     | 0'45      | 0'59      | 49'04  |
|                             | Jhansi . . .                   | 0'25     | ...       | 0'66   | ...    | 0'79 | 4'15  | 18'11 | 6'07    | 2'03       | 4'10     | ...       | 0'56      | 36'72  |
|                             | Lalitpur . . .                 | 0'47     | 0'07      | 0'09   | 0'30   | 2'12 | 5'13  | 12'42 | 8'22    | 0'41       | 2'69     | ...       | 2'34      | 34'26  |
|                             | Kheri . . .                    | 0'28     | ...       | 1'75   | ...    | 1'52 | 6'66  | 9'67  | 10'13   | 5'24       | 0'48     | ...       | 0'13      | 35'86  |
|                             | Sitapur . . .                  | 0'14     | ...       | 2'59   | ...    | 1'02 | 6'30  | 14'82 | 13'30   | 5'18       | 0'46     | ...       | 0'16      | 43'97  |
|                             | Bahraich . . .                 | 0'50     | ...       | 1'06   | ...    | 1'20 | 5'52  | 19'02 | 14'90   | 4'05       | 1'80     | ...       | 0'38      | 48'43  |
|                             | Gonda . . .                    | 0'73     | ...       | 1'70   | ...    | 2'62 | 7'27  | 7'93  | 14'80   | 3'10       | 1'88     | ...       | ...       | 40'03  |
| OUDH . . .                  | Hardoi . . .                   | 0'49     | ...       | 1'82   | ...    | 0'68 | 11'00 | 10'70 | 7'26    | 7'94       | 1'53     | ...       | ...       | 41'42  |
|                             | Nawabganj (Bara<br>Banki). . . | 0'45     | ...       | 1'10   | ...    | 3'99 | 10'18 | 7'72  | 13'15   | 11'45      | ...      | ...       | 0'40      | 48'44  |
|                             | Lucknow . . .                  | 0'70     | ...       | 0'48   | ...    | 2'19 | 13'69 | 6'79  | 6'74    | 10'23      | 1'97     | ...       | 0'62      | 43'41  |
|                             | Unao . . .                     | 0'15     | ...       | 0'20   | ...    | 1'20 | 8'55  | 11'46 | 11'58   | 5'01       | 2'85     | ..        | 0'40      | 41'40  |
|                             | Fyzabad . . .                  | ...      | ...       | 1'90   | ...    | 2'72 | 7'77  | 10'99 | 10'70   | 1'73       | 4'53     | ...       | 0'22      | 40'56  |
|                             | Sultanpur . . .                | ...      | ...       | 0'61   | ...    | 1'82 | 6'33  | 18'32 | 12'94   | 6'60       | 6'93     | ...       | 1'00      | 54'55  |
|                             | Rae Bareli . . .               | ...      | ...       | 0'67   | ...    | 1'57 | 11'91 | 14'89 | 9'96    | 7'97       | 3'96     | ...       | 0'83      | 51'76  |
|                             | Partabgarh . . .               | ...      | ...       | 1'10   | ...    | 1'62 | 10'17 | 10'71 | 9'38    | 6'29       | 3'49     | ...       | 2'15      | 44'91  |
| NEPAL . . .                 | Katmandu . . .                 | 0'20     | 0'10      | 1'55   | 1'45   | 5'88 | 7'52  | 16'48 | 20'97   | 6'17       | 2'39     | 0'20      | 0'17      | 63'08  |
|                             | Motiharee . . .                | ...      | 0'08      | 0'43   | 0'11   | 4'26 | 4'11  | 12'99 | 15'50   | 13'17      | 3'88     | ...       | 0'60      | 55'07  |
|                             | Durbhunga . . .                | 0'34     | 0'08      | 0'27   | 0'70   | 2'10 | 5'06  | 14'57 | 18'82   | 9'89       | 5'38     | ...       | 0'57      | 57'78  |
|                             | Sewan . . .                    | 0'68     | 0'05      | 0'14   | ...    | 2'78 | 4'03  | 21'56 | 13'87   | 7'94       | 8'75     | 0'20      | 0'41      | 60'41  |
|                             | Buxar . . .                    | 0'30     | ...       | 0'11   | ...    | 0'56 | 8'87  | 15'71 | 5'15    | 10'63      | 7'07     | 0'03      | 0'36      | 48'79  |
|                             | Chupra . . .                   | 0'12     | 0'14      | 0'26   | ...    | 3'50 | 5'73  | 25'62 | 11'89   | 9'08       | 12'23    | 0'18      | 0'58      | 69'33  |
|                             | Arrah . . .                    | 0'06     | 0'02      | 0'53   | ...    | 1'22 | 7'14  | 17'23 | 15'28   | 14'78      | 11'46    | ...       | 0'33      | 68'05  |
|                             | Patna (Bankipur). .            | ...      | 0'16      | 0'42   | ...    | 1'52 | 4'83  | 22'09 | 18'27   | 12'11      | 5'84     | 0'18      | 0'13      | 65'55  |
| BENGAL . . .                | Mozufferpore . .               | 0'70     | 0'14      | 0'72   | 0'15   | 3'92 | 6'77  | 14'30 | 20'61   | 14'39      | 6'00     | ...       | 0'45      | 68'15  |
|                             | Barh . . .                     | ...      | ...       | 0'10   | 0'50   | 2'00 | 3'55  | 19'10 | 10'50   | 11'10      | 3'55     | 0'20      | 0'08      | 50'68  |
|                             | Sasseram . . .                 | 0'10     | ...       | 1'52   | ...    | 0'56 | 6'46  | 15'62 | 6'49    | 15'06      | 7'70     | 0'30      | 0'32      | 54'13  |
|                             | Gya . . .                      | 0'38     | 0'02      | 1'37   | ...    | 1'53 | 5'93  | 20'66 | 14'09   | 16'86      | 5'81     | 0'73      | 0'01      | 67'39  |
|                             | Jamooee . . .                  | 0'21     | 0'02      | 0'77   | ...    | 2'08 | 8'47  | 17'87 | 8'53    | 11'11      | 9'50     | 0'35      | ...       | 58'91  |
|                             | Muddehpooora . .               | 0'12     | 0'24      | 0'08   | 0'75   | 3'19 | 9'26  | 14'77 | 14'83   | 11'42      | 4'62     | ...       | 0'02      | 59'30  |
|                             | Monghyr . . .                  | 0'14     | 0'55      | 0'42   | 0'36   | 3'15 | 6'39  | 17'30 | 11'05   | 21'67      | 4'88     | 0'22      | ...       | 66'13  |
|                             | Bhagalpur . . .                | 0'09     | 0'64      | 0'77   | ...    | 2'66 | 7'08  | 13'23 | 10'47   | 25'61      | 3'76     | 0'37      | ...       | 64'68  |
|                             | Godda . . .                    | ...      | 0'15      | 0'45   | ...    | 5'58 | 6'26  | 11'58 | 15'46   | 12'21      | 3'83     | 0'15      | ...       | 55'67  |
|                             | Palamow . . .                  | ...      | 0'10      | 2'37   | ...    | 2'14 | 6'63  | 6'41  | 7'91    | 14'08      | 9'35     | 0'64      | ...       | 49'63  |
|                             | Hazaribagh . . .               | 0'06     | ...       | 2'11   | 0'31   | 3'72 | 6'44  | 11'63 | 12'15   | 9'47       | 11'88    | 0'84      | ...       | 58'61  |
|                             | Ranchee . . .                  | 0'25     | ...       | 2'70   | 0'14   | 4'40 | 7'24  | 11'66 | 13'90   | 8'92       | 6'53     | 0'93      | ...       | 56'67  |
|                             | Lohardugga . . .               | 0'14     | ...       | 1'58   | 0'40   | 5'02 | 12'08 | 13'18 | 8'85    | 11'58      | 6'17     | 1'76      | 0'08      | 60'84  |
|                             | Nya Doomka . . .               | ...      | 0'01      | 2'14   | 0'85   | 3'78 | 9'40  | 18'56 | 15'99   | 21'85      | 2'81     | ...       | ...       | 75'39  |
|                             | Gobindpur . . .                | ...      | ...       | 0'24   | ...    | 1'47 | 5'11  | 11'10 | 9'04    | 12'76      | 8'94     | 0'04      | ...       | 48'70  |

TABLE XIV.—INCHES OF RAINFALL IN EACH MONTH OF 1886.

| PROVINCES.    | STATIONS.               | January. | February. | March. | April. | May.  | June. | July. | August. | September. | October. | November. | December. | Total. |
|---------------|-------------------------|----------|-----------|--------|--------|-------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| BENGAL—contd. | Purulia . . .           | 0'05     | ...       | 1'11   | ...    | 4'12  | 5'78  | 12'36 | 7'38    | 12'66      | 2'86     | 0'28      | ...       | 46'60  |
|               | Sirguja . . .           | 0'22     | ...       | ...    | ...    | 0'64  | 19'92 | 25'26 | 26'74   | 12'88      | 5'85     | 0'38      | 0'30      | 92'19  |
|               | Jushpore . . .          | 0'34     | ...       | 1'29   | 0'15   | 4'99  | 14'52 | 17'83 | 9'84    | 10'79      | 10'22    | 2'37      | 0'18      | 72'52  |
|               | Gangpur . . .           | 0'86     | ...       | ...    | ...    | 1'10  | 6'50  | 13'37 | 9'53    | 8'19       | 6'39     | 0'68      | 0'60      | 47'22  |
|               | Chybassa . . .          | 0'60     | ...       | 1'20   | 0'30   | 5'33  | 7'52  | 13'62 | 5'50    | 6'33       | 5'10     | 0'14      | ...       | 45'64  |
|               | Barreepudda . . .       | 0'40     | ...       | 3'65   | 0'10   | 6'53  | 11'02 | 9'58  | 10'05   | 16'45      | 3'96     | 1'54      | ...       | 63'28  |
|               | Keonjhar . . .          | 0'30     | ...       | 0'25   | 0'10   | 0'97  | 6'80  | 7'10  | 8'90    | 4'93       | 2'61     | 0'21      | ...       | 32'17  |
|               | Jellasore . . .         | 0'32     | ...       | 2'87   | ...    | 3'94  | 17'62 | 14'56 | 7'34    | 14'19      | 4'93     | 0'72      | 0'15      | 66'64  |
|               | Balasure . . .          | 0'54     | ...       | 5'28   | 0'88   | 5'76  | 14'40 | 11'17 | 11'96   | 17'82      | 5'65     | 0'50      | ...       | 73'96  |
|               | Bhuddruck . . .         | 0'69     | ...       | 6'42   | ...    | 8'78  | 11'22 | 8'15  | 7'29    | 17'33      | 4'49     | 1'61      | ...       | 65'98  |
|               | Talcher . . .           | 0'16     | ...       | 3'25   | 0'08   | 2'31  | 4'42  | 12'30 | 6'47    | 14'35      | 6'58     | 1'05      | 0'23      | 51'20  |
|               | Angul . . .             | 0'40     | ...       | 2'59   | 0'15   | 2'59  | 7'26  | 6'44  | 10'80   | 19'06      | 7'87     | 2'30      | 0'87      | 60'33  |
|               | Dhenkanal . . .         | 0'10     | ...       | 2'00   | 0'13   | 1'11  | 13'15 | 16'97 | 17'34   | 15'84      | 9'47     | 2'58      | 0'65      | 79'34  |
|               | Bispara . . .           | ...      | ...       | 0'85   | ...    | 1'28  | 11'56 | 14'59 | 14'29   | 12'78      | 2'62     | 1'03      | 0'55      | 59'55  |
|               | Kunjabangar . . .       | 0'60     | ...       | 2'61   | 0'29   | 2'65  | 9'52  | 11'50 | 11'18   | 14'32      | 7'64     | 1'09      | ...       | 61'40  |
|               | Banki (Charchika) . . . | 0'18     | 0'06      | 5'76   | 0'24   | 3'97  | 13'68 | 11'24 | 8'02    | 10'69      | 8'76     | 3'02      | 0'91      | 66'53  |
|               | Cuttack . . .           | 0'34     | 0'35      | 5'66   | ...    | 5'44  | 20'02 | 11'03 | 8'63    | 13'99      | 11'77    | 1'99      | 0'48      | 79'70  |
|               | False Point . . .       | 0'18     | ...       | 3'12   | ...    | 4'74  | 7'90  | 17'78 | 7'23    | 15'01      | 5'47     | 1'34      | 1'25      | 64'02  |
|               | Pooree . . .            | 0'12     | ...       | 1'69   | ...    | 3'38  | 7'13  | 10'55 | 6'18    | 14'78      | 6'14     | 2'70      | 3'88      | 56'55  |
|               | Darjeeling . . .        | 0'20     | 0'46      | 2'83   | 2'80   | 8'98  | 22'18 | 27'69 | 37'47   | 20'26      | 1'99     | 0'55      | ...       | 125'41 |
|               | Mongpoo . . .           | ...      | 0'21      | 4'68   | 2'05   | 8'68  | 32'40 | 23'85 | 37'75   | 20'19      | 2'31     | 0'20      | 0'46      | 132'78 |
|               | Pedong . . .            | 0'56     | 0'38      | 2'98   | 2'79   | 6'16  | 10'68 | 21'11 | 31'56   | 10'82      | 3'48     | 0'72      | 0'29      | 91'53  |
|               | Baxa . . .              | 0'21     | 0'25      | 0'87   | 5'11   | 16'13 | 44'45 | 57'07 | 66'33   | 41'13      | 2'67     | 2'64      | 0'93      | 237'79 |
|               | Jalpaiguri . . .        | ...      | 0'39      | 0'66   | 1'40   | 10'01 | 18'00 | 36'58 | 27'12   | 35'90      | 1'58     | ...       | ...       | 131'64 |
|               | Cooch Behar . . .       | ...      | 0'07      | 1'33   | 1'42   | 11'50 | 23'98 | 18'76 | 21'14   | 32'19      | 4'64     | 0'40      | 0'15      | 115'58 |
|               | Kissengunge . . .       | 0'12     | 0'12      | 0'11   | 0'12   | 8'29  | 12'49 | 24'19 | 29'56   | 29'57      | 1'15     | ...       | 0'40      | 106'12 |
|               | Purneah . . .           | 0'26     | 0'06      | 0'53   | 0'42   | 2'35  | 10'14 | 18'12 | 28'17   | 19'85      | 2'63     | 0'08      | 0'04      | 82'65  |
|               | Rungpore . . .          | ...      | 0'06      | 0'08   | 3'03   | 13'17 | 10'72 | 12'82 | 13'86   | 18'94      | 1'46     | 0'06      | 0'02      | 74'22  |
|               | Dinagapore . . .        | ...      | 0'08      | 0'34   | 0'02   | 15'87 | 7'24  | 12'50 | 12'82   | 21'12      | 2'49     | 0'35      | ...       | 72'83  |
|               | Maldah . . .            | ...      | 0'85      | 1'64   | ...    | 4'16  | 14'80 | 12'95 | 12'00   | 20'83      | 7'50     | ...       | ...       | 74'73  |
|               | Bogra . . .             | ...      | 0'11      | 1'10   | 0'37   | 8'71  | 10'89 | 10'91 | 17'40   | 17'23      | 2'64     | ...       | ...       | 69'36  |
|               | Rampore Bauleah . . .   | ...      | ...       | 1'93   | 0'94   | 6'63  | 11'81 | 15'10 | 12'21   | 15'02      | 1'97     | ...       | ...       | 65'61  |
|               | Pubna . . .             | ...      | ...       | 2'33   | 0'76   | 8'17  | 6'52  | 10'01 | 17'58   | 15'51      | 5'49     | 0'10      | ...       | 66'47  |
|               | Soory . . .             | ...      | ...       | 0'59   | 1'08   | 4'35  | 10'88 | 14'06 | 14'82   | 17'33      | 5'38     | ...       | 0'01      | 68'50  |
|               | Bankoora . . .          | 0'35     | ...       | 2'31   | 1'62   | 5'10  | 6'54  | 14'26 | 10'97   | 10'86      | 2'97     | 1'25      | ...       | 56'23  |
|               | Burdwan . . .           | 0'40     | ...       | 2'36   | 0'04   | 8'09  | 10'52 | 17'38 | 9'00    | 13'81      | 2'34     | 0'07      | ...       | 64'01  |
|               | Hooghly . . .           | 0'35     | ...       | 2'92   | ...    | 8'88  | 8'62  | 15'42 | 10'53   | 11'35      | 1'77     | 0'30      | ...       | 60'14  |
|               | Howrah . . .            | 0'94     | ...       | 2'36   | ...    | 8'64  | 9'06  | 14'18 | 8'41    | 12'42      | 4'64     | ...       | ...       | 60'65  |
|               | Midnapore . . .         | 0'08     | ...       | 0'94   | ...    | 7'51  | 7'40  | 9'50  | 11'29   | 8'57       | 4'45     | 0'10      | ...       | 49'84  |

TABLE XIV.—INCHES OF RAINFALL IN EACH MONTH OF 1886.

| PROVINCES.          | STATIONS.                        | January.      | February. | March. | April. | May.  | June. | July.  | August. | September. | October. | November. | December. | Total. |
|---------------------|----------------------------------|---------------|-----------|--------|--------|-------|-------|--------|---------|------------|----------|-----------|-----------|--------|
| BENGAL—<br>concl'd. | Tumlook . .                      | 0'50          | ...       | 2'60   | ...    | 7'30  | 10'50 | 11'60  | 7'60    | 11'10      | 2'70     | ...       | 0'30      | 54'20  |
|                     | Berhampore . .                   | ...           | 0'15      | 1'89   | 0'83   | 5'33  | 7'90  | 11'93  | 11'82   | 17'30      | 3'69     | 0'08      | ...       | 60'92  |
|                     | Kishnaghur . .                   | ...           | ...       | 5'48   | 0'21   | 8'14  | 7'77  | 10'78  | 13'39   | 12'51      | 3'16     | 0'22      | ...       | 61'66  |
|                     | Furreedpore . .                  | ...           | ...       | 2'39   | 0'19   | 15'70 | 7'55  | 13'92  | 13'33   | 12'61      | 2'34     | 0'30      | ...       | 68'33  |
|                     | Jessore . .                      | 0'10          | ...       | 4'99   | 0'73   | 8'21  | 8'87  | 15'86  | 17'74   | 13'87      | 5'03     | 0'19      | ...       | 75'59  |
|                     | Busseerhat . .                   | 0'49          | ...       | 6'12   | 1'63   | 11'54 | 7'64  | 15'50  | 14'06   | 15'78      | 5'88     | 0'32      | 0'05      | 79'01  |
|                     | Khoolna . .                      | 0'15          | .         | 5'22   | 0'72   | 10'25 | 12'57 | 8'21   | 10'63   | 10'25      | 1'77     | ...       | ...       | 59'77  |
|                     | Burrisal . .                     | 0'45          | ...       | 5'16   | 1'77   | 10'14 | 13'38 | 16'43  | 13'50   | 7'67       | 3'01     | ...       | ...       | 71'51  |
|                     | Calcutta (Chowringhee).          | 1'27          | ...       | 2'77   | ...    | 8'18  | 10'37 | 15'50  | 8'34    | 13'28      | 5'42     | ...       | ...       | 65'13  |
|                     | Calcutta (St. Xavier's College). | Not received. |           |        |        |       |       |        |         |            |          |           |           |        |
|                     | Alipore (Jail) . .               | 1'47          | ...       | 2'49   | ...    | 7'79  | 11'72 | 15'72  | 8'81    | 15'50      | 3'78     | ...       | ...       | 67'28  |
|                     | Alipore (Obsy.) . .              | 1'28          | ...       | 2'35   | ...    | 7'93  | 11'52 | 15'35  | 8'93    | 13'93      | 3'91     | ...       | ...       | 65'20  |
|                     | Saugor Island . .                | 0'21          | ...       | 6'42   | ...    | 3'55  | 9'37  | 13'24  | 8'56    | 20'47      | 8'95     | ...       | 0'19      | 70'96  |
|                     | Mymensingh . .                   | ...           | ...       | 1'44   | 2'94   | 9'76  | 13'58 | 13'72  | 18'27   | 15'69      | 2'84     | 0'03      | ...       | 78'27  |
|                     | Kishorganj . .                   | ...           | ...       | 2'25   | 4'09   | 8'46  | 9'92  | 15'84  | 28'39   | 11'99      | 2'52     | 0'07      | ...       | 83'53  |
|                     | Atia (Tangail) . .               | ...           | ...       | 1'23   | 3'62   | 5'96  | 7'66  | 9'31   | 18'78   | 10'36      | 4'96     | ...       | ...       | 61'88  |
|                     | Dacca . .                        | ...           | ...       | 5'09   | 6'47   | 7'62  | 14'85 | 16'33  | 19'38   | 11'78      | 1'82     | ...       | 0'03      | 83'37  |
|                     | Comillah . .                     | 0'04          | ...       | 3'49   | 5'32   | 12'60 | 15'32 | 22'84  | 25'42   | 13'92      | 2'05     | ...       | ...       | 101'00 |
|                     | Agartalla . .                    | ...           | ...       | 4'00   | 5'97   | 12'38 | 8'21  | 16'89  | 21'90   | 10'66      | 2'35     | ...       | ...       | 82'36  |
|                     | Noakholly . .                    | ...           | ...       | 5'69   | 9'44   | 10'05 | 27'22 | 28'31  | 30'66   | 17'12      | 2'67     | ...       | 0'02      | 131'18 |
|                     | Demagiri . .                     | ...           | ...       | 6'75   | 4'61   | 9'83  | 25'58 | 29'17  | 26'81   | 12'11      | 8'73     | ...       | ...       | 123'59 |
|                     | Rangamatia Hill . .              | ...           | ...       | 5'51   | 2'91   | 9'02  | 25'48 | 28'39  | 21'88   | 11'86      | 3'70     | 0'20      | ...       | 108'95 |
|                     | Chittagong . .                   | ...           | ...       | 7'50   | 0'23   | 11'56 | 40'97 | 19'58  | 33'68   | 14'79      | 4'94     | 0'39      | 0'02      | 133'66 |
|                     | Cox's Bazar . .                  | ...           | ...       | 6'43   | 0'95   | 7'70  | 27'73 | 39'37  | 31'21   | 16'14      | 11'83    | 1'72      | 0'28      | 143'36 |
|                     | Sylhet . .                       | ...           | 0'73      | 7'32   | 17'54  | 14'86 | 18'24 | 29'41  | 42'25   | 31'27      | 7'70     | ...       | 0'28      | 169'60 |
|                     | Silchar . .                      | 0'24          | 2'10      | 13'22  | 13'31  | 10'51 | 21'23 | 33'82  | 21'72   | 26'25      | 1'53     | 0'05      | 0'25      | 144'23 |
|                     | Cherra Poonjee . .               | ..            | 1'79      | 8'26   | 41'11  | 33'12 | 93'91 | 105'88 | 118'18  | 56'63      | 3'75     | ...       | 0'05      | 462'68 |
|                     | Tura . .                         | ...           | 0'15      | 1'60   | 5'46   | 16'85 | 21'21 | 31'42  | 29'73   | 27'38      | 3'70     | ...       | 0'15      | 137'65 |
|                     | Shillong . .                     | ...           | ...       | 1'51   | 2'45   | 9'06  | 23'04 | 19'43  | 18'84   | 14'68      | 3'14     | 0'20      | 0'60      | 92'95  |
|                     | Dhubri . .                       | 0'01          | 0'32      | 2'05   | 2'51   | 9'06  | 22'62 | 12'71  | 15'56   | 16'54      | 0'83     | ...       | 0'13      | 82'34  |
|                     | Goalpara . .                     | ...           | ...       | 0'45   | 4'83   | 16'43 | 14'47 | 22'60  | 12'38   | 19'38      | 0'52     | ...       | 1'18      | 92'24  |
| ASSAM . .           | Kulsi . .                        | 0'06          | 0'09      | 0'62   | 5'28   | 8'59  | 16'26 | 26'39  | 10'19   | 12'56      | 2'19     | 0'40      | 0'21      | 82'84  |
|                     | Gauhati . .                      | 0'18          | 0'01      | 1'21   | 4'03   | 8'46  | 15'33 | 17'85  | 9'74    | 6'60       | 2'58     | ...       | 0'23      | 66'22  |
|                     | Nowgong . .                      | ...           | 0'03      | 1'71   | 3'91   | 5'79  | 9'07  | 21'10  | 18'06   | 20'21      | 5'37     | 0'05      | 0'04      | 85'34  |
|                     | Tezpur . .                       | ...           | 0'10      | 0'51   | 5'25   | 4'30  | 10'10 | 20'14  | 10'85   | 13'08      | 8'14     | 0'21      | 0'20      | 72'88  |
|                     | Chardner . .                     | 0'41          | 0'94      | 1'86   | 6'10   | 8'98  | 16'00 | 24'54  | 25'71   | 13'04      | 5'20     | 0'04      | 0'74      | 103'56 |
|                     | Sibsagar . .                     | 0'56          | 0'90      | 2'73   | 6'96   | 9'89  | 12'01 | 12'73  | 12'76   | 11'14      | 6'18     | 0'11      | 0'78      | 76'75  |
|                     | Dibrugarh . .                    | 2'19          | 0'63      | 6'38   | 9'89   | 5'36  | 17'56 | 22'74  | 19'97   | 16'92      | 5'40     | ...       | 2'37      | 109'41 |
|                     | Kohima . .                       | 0'09          | 0'89      | 1'43   | 3'31   | 7'47  | 14'76 | 17'99  | 16'48   | 10'36      | 3'75     | ...       | 0'19      | 76'72  |

TABLE XIV.—INCHES OF RAINFALL IN EACH MONTH OF 1886.

| PROVINCES.         | STATIONS.                 | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|--------------------|---------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| CENTRAL PROVINCES. | Saugor . . .              | 0'07     | 0'76      | 0'31   | ...    | 0'52 | 7'83  | 20'58 | 9'25    | 2'41       | 4'77     | ...       | 2'98      | 49'48  |
|                    | Damoh . . .               | ...      | 0'26      | 0'02   | ...    | 0'67 | 7'02  | 22'97 | 9'53    | 0'74       | 10'28    | ...       | 1'51      | 53'00  |
|                    | Jubbulpore . . .          | ...      | 0'10      | 0'94   | ...    | 1'34 | 11'48 | 18'34 | 7'25    | 2'98       | 6'26     | ...       | 0'42      | 49'11  |
|                    | Narsinghpur . . .         | 0'04     | 0'12      | 0'10   | ...    | 0'08 | 6'86  | 15'90 | 6'81    | 2'40       | 7'54     | ...       | 0'95      | 40'80  |
|                    | Hoshangabad . . .         | 0'12     | ...       | ...    | ...    | 0'07 | 5'71  | 21'12 | 6'31    | 1'02       | 7'94     | ...       | 1'39      | 43'68  |
|                    | Khandwa . . .             | ...      | ...       | ...    | ...    | 0'44 | 9'30  | 6'60  | 5'29    | 1'91       | 4'76     | ...       | 3'91      | 32'21  |
|                    | Badnur (Betul) . . .      | ...      | ...       | 0'20   | 0'09   | 1'22 | 7'05  | 13'91 | 8'15    | 1'57       | 1'57     | ...       | 0'30      | 34'06  |
|                    | Pachmarhi . . .           | 0'10     | ...       | 0'54   | ...    | 0'68 | 13'76 | 30'78 | 11'55   | 2'71       | 6'93     | ...       | 1'14      | 68'19  |
|                    | Chhindwara . . .          | ...      | ...       | 0'23   | ...    | 1'08 | 6'27  | 11'88 | 2'56    | 0'72       | 6'79     | 0'15      | 0'45      | 30'13  |
|                    | Seoni . . .               | 0'31     | 0'25      | 0'59   | ...    | 0'72 | 8'15  | 16'60 | 5'29    | 2'37       | 5'11     | 0'13      | 0'62      | 40'14  |
|                    | Balaghat . . .            | ...      | ...       | 0'71   | ...    | 0'72 | 9'61  | 17'73 | 9'70    | 2'42       | 3'68     | 0'48      | 0'06      | 45'11  |
|                    | Mandla . . .              | 0'26     | ...       | 0'96   | ...    | 0'71 | 6'71  | 15'52 | 5'11    | 3'46       | 4'82     | 0'14      | 0'14      | 37'83  |
|                    | Bilaspur . . .            | 0'48     | ...       | 0'96   | ...    | 0'13 | 3'45  | 8'89  | 5'73    | 5'26       | 3'03     | 1'79      | 0'04      | 29'76  |
|                    | Saragaon . . .            | ...      | ...       | 0'20   | ...    | 0'35 | 3'90  | 10'66 | 3'25    | 3'60       | 3'42     | 1'27      | ...       | 26'65  |
|                    | Sarangarh . . .           | 0'35     | ...       | 1'55   | ...    | 1'33 | 4'38  | 16'59 | 4'78    | 6'95       | 3'14     | 1'83      | 0'15      | 41'05  |
|                    | Raigarh . . .             | 0'90     | ...       | 2'25   | ...    | 1'00 | 6'53  | 15'33 | 13'34   | 2'47       | 4'42     | 1'08      | 0'40      | 47'72  |
|                    | Sambalpur . . .           | 0'18     | ...       | 1'74   | ...    | 1'84 | 10'68 | 17'81 | 12'46   | 9'87       | 3'03     | 1'02      | 0'16      | 58'79  |
|                    | Raipur . . .              | 0'02     | 0'01      | 0'90   | ...    | 2'02 | 4'26  | 9'73  | 3'97    | 8'51       | 9'70     | 0'62      | 0'01      | 39'75  |
|                    | Dhamtari . . .            | ...      | ...       | 0'55   | ...    | 2'50 | 8'70  | 15'19 | 6'90    | 7'53       | 2'54     | 0'70      | ...       | 44'61  |
|                    | Bhandara . . .            | 0'35     | ...       | 0'17   | ...    | 0'79 | 6'51  | 24'02 | 5'36    | 7'53       | 4'45     | ...       | 0'21      | 49'39  |
|                    | Nagpur . . .              | 0'02     | 0'34      | 0'30   | ...    | 0'08 | 5'95  | 16'03 | 6'97    | 3'38       | 9'65     | 0'03      | 0'60      | 43'35  |
|                    | Arvi . . .                | ...      | ...       | ...    | ...    | 5'19 | 7'85  | 12'95 | 2'45    | 0'84       | 14'59    | ...       | 0'32      | 44'19  |
|                    | Wardha . . .              | ...      | ...       | ...    | ...    | 1'66 | 6'66  | 7'49  | 3'87    | 1'59       | 6'48     | 0'44      | 0'55      | 28'74  |
|                    | Brahmapuri . . .          | ...      | ...       | 0'52   | ...    | 0'45 | 13'35 | 17'03 | 10'05   | 1'29       | 3'03     | ...       | ...       | 45'72  |
|                    | Chanda . . .              | ...      | ...       | 0'05   | 0'29   | 2'99 | 15'93 | 18'18 | 11'61   | 3'77       | 2'02     | ...       | 0'13      | 54'97  |
|                    | Sironcha . . .            | ...      | ...       | 0'10   | ...    | 0'10 | 13'38 | 18'02 | 14'92   | 4'58       | 5'19     | ...       | 0'38      | 56'67  |
|                    | Bastar (Jagdalpore) . . . | ...      | ...       | 0'37   | 0'89   | 2'16 | 8'12  | 18'59 | 16'24   | 4'94       | 4'91     | 3'69      | 0'33      | 60'24  |
|                    | Makhla . . .              | ...      | ...       | ...    | ...    | 0'02 | 13'34 | 25'99 | 22'73   | 7'00       | 7'54     | ...       | 1'04      | 77'66  |
|                    | Chikalda . . .            | 0'11     | ...       | 0'03   | ...    | 1'15 | 17'24 | 28'64 | 31'75   | 5'06       | 9'42     | 0'16      | 1'47      | 95'03  |
|                    | Ellichpur . . .           | ...      | ...       | ...    | ...    | ...  | 16'60 | 7'66  | 3'87    | 0'79       | 11'30    | ...       | 0'42      | 40'64  |
|                    | Amraoti . . .             | ...      | ...       | ...    | ...    | 0'15 | 10'24 | 6'87  | 4'27    | 1'93       | 4'94     | ...       | 0'27      | 28'67  |
| BERARS . . .       | Akola . . .               | ...      | ...       | ...    | ...    | 0'55 | 7'20  | 14'83 | 6'14    | 2'33       | 4'86     | ...       | 0'77      | 36'68  |
|                    | Buldana . . .             | ...      | ...       | ...    | ...    | 1'40 | 10'26 | 10'32 | 9'17    | 1'22       | 5'47     | ...       | 1'27      | 39'11  |
|                    | Basim . . .               | 0'08     | ...       | ...    | ...    | 1'14 | 13'43 | 10'29 | 4'43    | 1'56       | 5'47     | ...       | 0'55      | 36'95  |
|                    | Yeotmal . . .             | ...      | ...       | ...    | 0'10   | 2'33 | 10'15 | 11'99 | 3'29    | 1'57       | 11'34    | ...       | 0'36      | 41'13  |
|                    | Wun . . .                 | ...      | ...       | ...    | ...    | ...  | 18'76 | 13'40 | 7'19    | 0'83       | 6'37     | 0'08      | ...       | 46'63  |
|                    | Aurangabad (Cant.) . . .  | ...      | ...       | ...    | ...    | 0'35 | 11'86 | 13'56 | 4'84    | 4'19       | 7'80     | 0'03      | 5'06      | 47'69  |
| HYDERABAD . . .    | Aurangabad . . .          | ...      | ...       | ...    | ...    | 0'32 | 10'28 | 14'57 | 4'70    | 2'00       | 6'81     | ...       | 4'65      | 43'33  |
|                    | Jalna . . .               | ...      | ...       | ...    | ...    | 1'02 | 7'10  | 10'99 | 7'83    | 5'09       | 8'08     | ...       | 4'35      | 44'46  |

TABLE XIV.—INCHES OF RAINFALL IN EACH MONTH OF 1836.

| PROVINCES.           | STATIONS.                           | January. | February. | March. | April. | May. | June. | July.  | August. | September. | October. | November. | December. | Total. |
|----------------------|-------------------------------------|----------|-----------|--------|--------|------|-------|--------|---------|------------|----------|-----------|-----------|--------|
| HYDERABAD<br>—contd. | Hingoli . .                         | ...      | ...       | ...    | 0'34   | 2'82 | 14'66 | 11'33  | 4'97    | 4'16       | 9'35     | ...       | 0'15      | 47'78  |
|                      | Parbhani . .                        | ...      | ...       | ...    | ...    | 5'64 | 6'25  | 7'41   | 6'57    | 2'51       | 9'71     | 0'24      | 0'14      | 38'47  |
|                      | Nandair . .                         | ...      | ...       | 0'09   | 0'33   | 3'58 | 6'54  | 13'21  | 7'29    | 2'98       | 6'66     | ...       | ...       | 40'68  |
|                      | Bheer . .                           | ...      | ...       | ...    | ...    | 0'40 | 9'57  | 6'27   | 4'33    | 3'58       | 10'69    | 0'43      | 3'83      | 39'10  |
|                      | Mominabad .                         | ...      | ...       | ...    | ...    | 0'77 | 9'79  | 8'02   | 8'84    | 5'50       | 9'32     | 0'12      | 1'02      | 43'38  |
|                      | Indur . .                           | ...      | ...       | ...    | 0'19   | 0'74 | 8'25  | 22'07  | 20'58   | 4'10       | 4'39     | 0'25      | ...       | 60'57  |
|                      | Yelgandal .                         | ...      | ...       | 0'29   | ...    | 0'92 | 9'49  | 12'41  | 15'78   | 2'18       | 10'58    | ...       | 0'29      | 51'94  |
|                      | Medak . .                           | ...      | ...       | ...    | ...    | 0'94 | 9'76  | 10'10  | 12'79   | 4'68       | 4'10     | 0'57      | 0'30      | 43'24  |
|                      | Ibrahimpatan .                      | 0'52     | ...       | 1'45   | ...    | 0'15 | 5'87  | 7'56   | 9'97    | 3'33       | 3'69     | 0'40      | 0'03      | 32'97  |
|                      | Naldurg . .                         | ...      | ...       | ...    | ...    | 2'97 | 7'18  | 9'62   | 15'56   | 5'56       | 8'71     | 0'49      | 1'60      | 51'69  |
|                      | Bidar . .                           | ...      | ...       | ...    | 0'07   | 2'11 | 6'88  | 10'54  | 15'63   | 9'92       | 8'90     | 0'38      | 0'22      | 54'65  |
|                      | Gulbarga . .                        | ...      | ...       | ...    | 0'32   | 1'60 | 5'37  | 4'95   | 9'57    | 3'81       | 4'38     | ...       | 0'25      | 30'25  |
|                      | Bolarum . .                         | ...      | ...       | 0'02   | 0'10   | 2'34 | 5'65  | 8'25   | 10'95   | 2'73       | 4'84     | 1'00      | 0'15      | 36'03  |
|                      | Secunderabad .                      | 0'01     | ...       | 0'05   | 0'22   | 1'08 | 6'77  | 8'39   | 10'10   | 2'87       | 4'55     | 0'92      | 0'12      | 35'08  |
|                      | Hyderabad (Resi-<br>dency).         | ...      | ...       | 0'02   | 0'14   | 1'81 | 7'58  | 8'94   | 9'43    | 0'92       | 6'66     | 1'09      | 0'05      | 36'64  |
|                      | Hyderabad (Engine-<br>er's Office). | ...      | ...       | ...    | ...    | 1'40 | 8'90  | 9'03   | 7'81    | 1'20       | 6'15     | 1'05      | ...       | 35'54  |
|                      | Nalgonda . .                        | ...      | ...       | 0'65   | ...    | 0'37 | 6'02  | 4'07   | 8'45    | 3'96       | 9'95     | 1'40      | 0'31      | 35'18  |
|                      | Khamam . .                          | ...      | ...       | 3'65   | 0'08   | 0'99 | 8'39  | 10'64  | 10'28   | 3'36       | 6'49     | 0'20      | 0'97      | 45'05  |
|                      | Sirpur . .                          | ...      | ...       | 0'89   | 0'92   | 1'38 | 9'21  | 14'07  | 6'64    | 0'61       | 6'67     | 0'20      | ...       | 40'59  |
|                      | Nagar Karnul .                      | ...      | ...       | ...    | 0'15   | 1'17 | 4'62  | 9'53   | 7'16    | 1'89       | 7'51     | 0'22      | 0'03      | 32'28  |
|                      | Raichur . .                         | ...      | ...       | ...    | 0'02   | 5'83 | 5'65  | 7'20   | 8'57    | 3'21       | 7'52     | 0'63      | 0'28      | 38'91  |
|                      | Raichur (Cant.) .                   | ...      | ...       | ...    | ...    | 6'71 | 5'56  | 5'73   | 4'79    | 4'11       | 7'11     | 0'59      | 0'20      | 34'80  |
|                      | Lingsugur (W.<br>Raichore).         | ...      | ...       | ...    | 0'15   | 4'18 | 7'08  | 2'38   | 6'90    | 4'58       | 4'03     | ...       | 0'45      | 29'75  |
|                      | Dhulia . .                          | ...      | ...       | ...    | ...    | 1'35 | 11'49 | 5'37   | 2'95    | 6'24       | 4'87     | ...       | 1'10      | 33'37  |
|                      | Nasik . .                           | ...      | ...       | ...    | ...    | 2'68 | 11'73 | 7'73   | 3'24    | 2'27       | 9'32     | 0'25      | 0'06      | 37'28  |
|                      | Igatpuri . .                        | ...      | ...       | ...    | ...    | 2'13 | 22'73 | 56'79  | 25'78   | 10'56      | 13'08    | 0'20      | ...       | 131'27 |
|                      | Malegaon . .                        | ...      | ...       | ...    | 0'03   | 1'07 | 7'20  | 3'27   | 4'75    | 5'06       | 7'63     | ...       | 0'14      | 29'15  |
|                      | Ahmednagar .                        | ...      | ...       | ...    | ...    | 2'19 | 5'29  | 3'97   | 8'78    | 5'35       | 10'33    | 0'16      | 7'50      | 43'57  |
| BOMBAY .             | Poona . .                           | ...      | ...       | ...    | 0'73   | 0'54 | 2'69  | 4'97   | 0'99    | 4'06       | 11'86    | 1'18      | 0'42      | 27'44  |
|                      | Lanauli . .                         | ...      | ...       | ...    | ...    | 3'24 | 30'77 | 69'31  | 34'06   | 8'64       | 7'32     | 1'51      | 0'49      | 155'34 |
|                      | Satara . .                          | ...      | ...       | ...    | 0'45   | 2'70 | 8'73  | 9'41   | 3'16    | 2'78       | 8'01     | 1'39      | 1'50      | 38'13  |
|                      | Mohableshtar .                      | ...      | ...       | ...    | 0'30   | 4'95 | 52'39 | 110'91 | 63'95   | 15'23      | 11'86    | 2'49      | 1'08      | 263'16 |
|                      | Sholapur . .                        | ...      | ...       | ...    | 0'03   | 0'70 | 4'21  | 5'45   | 8'88    | 3'21       | 10'29    | 0'06      | 4'04      | 36'87  |
|                      | Kolhapur . .                        | ...      | ...       | ...    | 0'76   | 1'69 | 14'44 | 13'44  | 3'88    | 2'50       | 9'92     | 0'70      | 1'14      | 48'47  |
|                      | Baura . .                           | ...      | ...       | ...    | 0'05   | 1'80 | 73'04 | 92'37  | 59'56   | 11'17      | 22'21    | 0'52      | 0'50      | 261'22 |
|                      | Belgaum . .                         | ...      | ...       | 0'01   | 0'91   | 5'61 | 10'49 | 12'63  | 4'25    | 0'84       | 5'23     | 0'71      | 0'24      | 40'92  |
|                      | Gokak . .                           | ...      | ...       | ...    | 0'28   | 2'71 | 4'11  | 3'64   | 2'77    | 3'09       | 12'09    | 0'58      | 1'75      | 31'02  |
|                      | Dharwar . .                         | ...      | ...       | ...    | 0'41   | 5'40 | 4'62  | 5'32   | 1'56    | 3'90       | 8'40     | 0'92      | 0'90      | 31'43  |
|                      | Hubli . .                           | ...      | ...       | ...    | 0'88   | 3'84 | 2'21  | 3'13   | 1'40    | 3'76       | 7'86     | 0'48      | 0'30      | 23'86  |

TABLE XIV.—INCHES OF RAINFALL IN EACH MONTH OF 1886.

| PROVINCES.    | STATIONS.                                | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|---------------|------------------------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| BOMBAY—contd. | Nargund . .                              | ...      | ...       | ...    | 1'31   | 3'31 | 5'36  | 1'89  | 3'15    | 3'81       | 10'33    | 0'10      | 1'32      | 30'58  |
|               | Mandargi . .                             | ...      | ...       | ...    | 0'45   | 4'40 | 2'55  | 1'30  | 4'14    | 2'99       | 2'88     | 0'54      | 0'26      | 19'51  |
|               | Kalghatgi . .                            | ...      | ...       | ...    | 0'98   | 5'91 | 3'05  | 10'19 | 2'52    | 3'92       | 6'69     | 0'35      | ...       | 33'61  |
|               | Bijapur . .                              | ...      | ...       | ...    | 0'99   | 0'92 | 4'79  | 2'31  | 4'36    | 5'04       | 10'57    | 0'30      | 1'98      | 31'26  |
|               | Honawar . .                              | ...      | ...       | ...    | ...    | 3'00 | 39'20 | 62'15 | 18'09   | 4'77       | 11'77    | 0'62      | ..        | 139'60 |
|               | Kawrar . .                               | ...      | ...       | ...    | ...    | 5'56 | 48'46 | 61'92 | 16'24   | 3'62       | 11'42    | 0'79      | ...       | 148'01 |
|               | Goa . .                                  | ...      | ...       | ...    | ...    | 9'43 | 23'77 | 50'71 | 14'78   | 1'84       | 10'62    | 0'93      | ...       | 112'08 |
|               | Vingurla . .                             | ...      | ...       | ...    | ...    | 3'65 | 30'43 | 51'58 | 16'09   | 3'20       | 11'98    | 0'37      | 0'48      | 117'78 |
|               | Ratnagiri . .                            | ...      | ...       | ...    | 0'05   | 1'75 | 38'19 | 53'66 | 23'86   | 3'41       | 4'91     | 0'22      | 0'05      | 126'10 |
|               | Colaba (Obsy.) .                         | ...      | ...       | ...    | 0'01   | 0'96 | 43'45 | 35'79 | 10'69   | 6'54       | 1'69     | 0'61      | ...       | 99'74  |
|               | Byculla (J. J. Hos-<br>pital). Tanna . . | ...      | ...       | ...    | ...    | 1'23 | 39'04 | 36'73 | 8'29    | 5'55       | 3'09     | 0'50      | ...       | 94'43  |
|               | Matheran . .                             | ...      | ...       | ...    | ...    | 5'78 | 41'42 | 92'54 | 47'83   | 14'38      | 12'63    | 0'71      | ...       | 215'29 |
|               | Surat . .                                | ...      | ...       | ...    | ...    | 0'04 | 15'08 | 19'86 | 9'73    | 1'93       | 2'77     | ...       | ...       | 49'41  |
|               | Broach . .                               | ...      | ...       | ...    | ...    | 0'82 | 8'51  | 18'27 | 6'81    | 4'20       | 4'55     | ...       | ...       | 43'16  |
|               | Kaira . .                                | ...      | ...       | 0'07   | ...    | 0'10 | 6'92  | 22'46 | 7'44    | 2'39       | 0'33     | ...       | ...       | 39'71  |
|               | Bariya . .                               | ...      | ...       | ...    | ...    | 0'20 | 6'70  | 19'26 | 10'45   | 1'19       | 5'36     | ...       | 0'12      | 43'28  |
|               | Godhra . .                               | ...      | ...       | ...    | ...    | 0'18 | 8'01  | 13'32 | 10'50   | 1'27       | 5'25     | ...       | ...       | 38'53  |
|               | Dohad . .                                | ...      | ...       | ...    | ...    | 0'27 | 4'55  | 8'00  | 7'10    | 0'43       | 3'28     | ...       | 0'02      | 23'65  |
|               | Ahmedabad . .                            | ...      | ...       | ...    | ...    | 1'16 | 8'16  | 18'69 | 4'59    | 0'44       | 0'41     | ...       | ...       | 33'45  |
|               | Edar . .                                 | ...      | ...       | ...    | ...    | 1'55 | 9'37  | 30'58 | 9'69    | 1'80       | 2'05     | ...       | ...       | 55'04  |
|               | Deesa . .                                | ...      | ...       | ...    | ...    | 0'13 | 1'16  | 11'28 | 8'93    | 0'59       | 0'08     | ...       | ...       | 22'17  |
|               | Wadhwan . .                              | ...      | ...       | ...    | ...    | 0'89 | 1'67  | 9'16  | 5'02    | 2'28       | 1'73     | ...       | ...       | 20'75  |
|               | Palanpur . .                             | ...      | ...       | 0'02   | ...    | 0'06 | 1'90  | 16'68 | 12'57   | 1'15       | 1'05     | ...       | ...       | 33'43  |
|               | Rajkot . .                               | ...      | ...       | ...    | ...    | 1'71 | 10'66 | 23'74 | 3'69    | 0'56       | 1'06     | 0'03      | ...       | 41'45  |
|               | Songad . .                               | ...      | ...       | ...    | ...    | 1'59 | 7'35  | 14'45 | 3'66    | 1'22       | 3'36     | ...       | ...       | 31'63  |
|               | Manakwara . .                            | 0'03     | ...       | ...    | ...    | 0'10 | 13'10 | 18'63 | 5'00    | 1'05       | 2'47     | 0'35      | ...       | 40'73  |
|               | Bhuj . .                                 | 0'08     | ...       | ...    | ...    | ...  | 1'57  | 8'91  | 0'78    | 0'08       | ...      | 0'01      | ...       | 11'43  |
|               | Rhahpur . .                              | ...      | ...       | ...    | ...    | 0'18 | 1'86  | 7'54  | 4'13    | 0'25       | 0'04     | ...       | ...       | 14'00  |
|               | Nagar . .                                | 0'07     | ...       | ...    | ...    | ...  | 6'67  | 10'73 | 2'87    | ...        | ...      | ...       | ...       | 20'34  |
|               | Kurrachee . .                            | 0'03     | 0'02      | 0'21   | ...    | ...  | ...   | 8'79  | 0'06    | 0'08       | 0'05     | 0'25      | ...       | 9'49   |
|               | Sehwan . .                               | 0'47     | ...       | 0'25   | ...    | 0'50 | ...   | 3'50  | 0'10    | ...        | ...      | 0'13      | ...       | 4'95   |
|               | Tatta . .                                | 0'03     | ...       | 0'06   | ...    | ...  | ...   | 6'94  | 0'21    | ...        | ...      | 0'14      | ...       | 7'38   |
|               | Hyderabad . .                            | ...      | ...       | 0'78   | ...    | ...  | ...   | 5'27  | 1'04    | ...        | ...      | 0'65      | ...       | 7'74   |
|               | Umarkot . .                              | ...      | ...       | 0'34   | ...    | ...  | ...   | 7'55  | 1'54    | 0'20       | ...      | ...       | ...       | 9'63   |
|               | Shikarpur . .                            | 0'55     | ...       | 1'49   | ...    | 0'15 | ...   | 1'17  | ...     | ...        | ...      | 0'16      | ...       | 3'52   |
|               | Rohri . .                                | 0'38     | 0'02      | 0'52   | ...    | ...  | 0'05  | 1'30  | ...     | ...        | ...      | 0'37      | ...       | 2'64   |
|               | Jacobabad . .                            | 0'38     | 0'05      | 0'31   | ...    | ...  | ...   | 1'65  | ...     | ...        | ...      | 0'02      | ...       | 2'41   |



TABLE XIV.—INCHES OF RAINFALL IN EACH MONTH OF 1886.

| PROVINCES. | STATIONS.                       | January. | February. | March. | April.   | May.     | June. | July. | August. | September. | October. | November. | December. | Total.    |
|------------|---------------------------------|----------|-----------|--------|----------|----------|-------|-------|---------|------------|----------|-----------|-----------|-----------|
| MADRAS.    | Ganjam . .                      | ...      | ...       | ...    | 0.03     | 1.00     | 2.20  | 6.65  | 8.15    | 9.75       | 21.05    | 6.45      | 6.90      | 62.18     |
|            | Gopalpur . .                    | ...      | ...       | 1.29   | ...      | 3.43     | 3.26  | 7.71  | 7.97    | 15.07      | 22.72    | 8.60      | 6.10      | 76.15     |
|            | Aska . .                        | 0.65     | ...       | 3.56   | ...      | 3.91     | 5.50  | 8.25  | 10.49   | 17.41      | 11.79    | 6.17      | 3.16      | 70.89     |
|            | Aska (Minchin Bro.'s Bungalow). | 0.35     | ...       | 3.45   | ...      | 4.88     | 6.04  | 5.94  | 10.24   | 15.47      | 11.52    | 5.93      | 4.13      | 67.95     |
|            | Aska (Minchin Bro.'s Office).   | 0.33     | ...       | 3.62   | ...      | 4.51     | 5.82  | 5.43  | 10.16   | 15.13      | 11.24    | 5.89      | 4.10      | 66.23     |
|            | Vizianagram .                   | ...      | ...       | 0.90   | ...      | 3.30     | 4.30  | 5.70  | 17.15   | 9.20       | 15.00    | 11.30     | 6.00      | 72.85     |
|            | Bimlipatam .                    | ..       | ...       | 0.10   | ...      | 3.45     | 3.05  | 4.80  | 10.90   | 4.85       | 18.35    | 8.70      | 5.85      | 60.05     |
|            | Rayaghatta .                    | 0.30     | ...       | 3.35   | ...      | 4.00     | 4.30  | 12.65 | 13.15   | 6.50       | 5.25     | 3.00      | 1.40      | 53.90     |
|            | Nourangapur .                   | ?        | ?         | ?      | ?        | 2.25 + ? | 4.50  | 22.10 | 13.15   | 12.35      | 7.90     | 2.60      | ...       | ?         |
|            | Gunipur . .                     | ?        | ?         | ?      | 0.55     | 2.70     | 6.05  | 10.70 | 13.20   | 6.45       | 9.10     | 2.00      | 1.73      | ?         |
|            | Jeypur . .                      | ?        | ?         | ?      | 1.10 + ? | 3.60     | 12.45 | 17.70 | 20.05   | 11.20      | 8.40     | 2.30      | 0.20      | ?         |
|            | Koraput . .                     | ...      | ...       | 0.20   | 0.60     | 4.20     | 4.40  | 15.25 | 15.70   | 10.00      | 6.15     | 1.90      | 0.40      | 58.80     |
|            | Malkanagiri .                   | ?        | ?         | ?      | ?        | 4.50     | 8.85  | 19.30 | 16.70   | 12.65      | 7.20     | 1.30      | 0.40      | ?         |
|            | Narsapatnam .                   | ...      | ...       | 1.80   | ...      | 7.25     | 3.90  | 15.15 | 11.25   | 7.75       | 14.80    | 3.50 + ?  | 2.20      | 67.60 + ? |
|            | Vizagapatam .                   | ...      | ...       | 0.20   | ...      | 5.00     | 3.20  | 7.50  | 13.70   | 5.20       | 38.20    | 12.00     | 2.50      | 79.50     |
|            | Cocanada . .                    | ...      | ...       | 0.90   | ...      | 2.73     | 11.87 | 7.24  | 4.34    | 5.03       | 19.21    | 2.80      | 1.91      | 56.03     |
|            | Rajahmundry .                   | ...      | ...       | 1.60   | ...      | 5.18     | 12.05 | 10.60 | 10.30   | 2.20       | 16.60    | 2.95      | 0.90      | 62.38     |
|            | Ellore . .                      | ...      | ...       | 1.00   | ...      | 2.58     | 6.56  | 10.41 | 18.14   | 3.43       | 11.21    | 2.05      | 0.75      | 56.13     |
|            | Masulipatam .                   | ...      | ...       | 0.29   | ...      | 1.67     | 7.54  | 4.70  | 19.93   | 6.31       | 11.78    | 1.65      | 2.63      | 56.50     |
|            | Guntur . .                      | ...      | ...       | 0.75   | ...      | 1.70     | 7.60  | 6.65  | 11.88   | 3.00       | 6.50     | 0.88      | 3.53      | 42.49     |
|            | Vinukonda . .                   | ...      | ...       | 1.85   | ...      | 5.60     | 3.60  | 3.58  | 8.63    | 4.40       | 13.35    | 6.62      | 0.76      | 48.39     |
|            | Ongole . .                      | ...      | ...       | 0.70   | ...      | 2.50     | 3.25  | 5.95  | 8.05    | 4.30       | 21.05    | 3.95      | 1.60      | 51.35     |
|            | Nellore . .                     | ...      | ...       | ...    | ...      | 4.30     | 0.70  | 2.80  | 5.00    | 3.60       | 15.45    | 4.95      | 1.95      | 38.75     |
|            | Udayagiri . .                   | ...      | ...       | ...    | ...      | 3.65     | ...   | 1.90  | 1.40    | 0.90       | 12.85    | 1.60      | 1.90      | 24.20     |
|            | Tada . .                        | ...      | ...       | ...    | ...      | 5.10     | 1.40  | ...   | ...     | ...        | 4.40     | 9.47      | 1.85      | 22.22     |
|            | Kurnool . .                     | ...      | ...       | 0.41   | 0.01     | 1.74     | 5.80  | 7.50  | 7.10    | 3.06       | 10.55    | 0.42      | 0.27      | 36.86     |
|            | Cumbum . .                      | ...      | ...       | 0.14   | ...      | 1.50     | 3.43  | 3.01  | 2.84    | 0.73       | 15.12    | 1.97      | 0.50      | 29.24     |
|            | Nandyal . .                     | ...      | ...       | ...    | ...      | 0.75     | 4.32  | 8.05  | 8.24    | 3.35       | 12.38    | ...       | 0.32      | 37.41     |
|            | Bellary . .                     | ...      | ...       | ...    | 0.04     | 1.00     | 2.99  | 1.19  | 2.33    | 1.37       | 2.83     | 1.00      | 0.24      | 12.99     |
|            | Gooty . .                       | ...      | ...       | ...    | 0.15     | 1.93     | 4.07  | 5.76  | 4.03    | 1.76       | 5.01     | 1.38      | 0.26      | 24.35     |
|            | Adoni . .                       | ...      | ...       | ...    | 0.05     | 2.11     | 6.88  | 4.00  | 7.18    | 1.63       | 10.70    | 0.83      | 0.30      | 33.68     |
|            | Dharmavaram .                   | ...      | ...       | ...    | ...      | 0.40     | 3.47  | 6.20  | 5.60    | 1.20       | 2.10     | 1.70      | 0.70      | 21.37     |
|            | Cuddapah . .                    | ...      | ...       | ...    | ...      | 2.90     | 1.60  | 4.63  | 7.00    | 3.95       | 10.80    | 1.85      | 1.10      | 33.83     |
|            | Madnapalle . .                  | ...      | ...       | ...    | ...      | 4.53     | 0.85  | 5.05  | 5.00    | 8.80       | 5.13     | 5.15      | 0.70      | 35.21     |
|            | Chittoor . .                    | ...      | ...       | 0.90   | ...      | 4.93     | 1.30  | 4.20  | 5.05    | 6.60       | 4.10     | 3.11      | 0.30      | 30.49     |
|            | Vellore . .                     | ...      | ...       | 0.12   | ...      | 9.62     | 6.87  | 5.65  | 2.65    | 6.65       | 6.31     | 4.50      | 1.49      | 43.86     |
|            | Chandragiri .                   | ...      | ...       | 0.75   | ...      | 4.40     | 0.96  | 6.89  | 5.70    | 1.40       | 5.75     | 7.05      | 0.32      | 33.22     |
|            | Arcot . .                       | 0.10     | ...       | ...    | ...      | 4.01     | 7.92  | 5.98  | 10.32   | 4.97       | 8.52     | 2.60      | 0.94      | 45.36     |
|            | Madras . .                      | 0.52     | ...       | 0.36   | ...      | 5.78     | 7.67  | 5.61  | 2.57    | 0.85       | 10.09    | 11.08     | 3.25      | 47.78     |

TABLE XIV.—INCHES OF RAINFALL IN EACH MONTH OF 1886.

| PROVINCES.    | STATIONS.                                | January. | February. | March. | April. | May.  | June. | July. | August. | September. | October. | November. | December. | Total. |
|---------------|------------------------------------------|----------|-----------|--------|--------|-------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| MADRAS—contd. | Palmaner . .                             | ...      | ...       | 1'00   | ...    | 6'55  | 2'48  | 6'04  | 5'51    | 6'00       | 5'70     | 3'10      | 0'46      | 36'84  |
|               | Saidapet . .                             | 1'65     | ...       | 0'25   | ...    | 3'95  | 5'62  | 9'37  | 1'95    | 0'55       | 11'45    | 9'45      | 3'70      | 47'94  |
|               | Chingleput . .                           | 0'15     | ...       | 0'20   | ...    | 5'42  | 9'15  | 7'25  | 6'85    | 1'24       | 7'71     | 6'85      | 2'61      | 47'43  |
|               | Conjeeveram . .                          | ...      | ...       | 0'50   | ...    | 6'30  | 6'85  | 7'10  | 6'10    | 5'00       | 6'04     | 4'22      | 1'70      | 43'81  |
|               | Tindivanam . .                           | ...      | ...       | 0'80   | ...    | 6'73  | 5'58  | 4'64  | 8'12    | 13'03      | 3'73     | 5'70      | 1'93      | 50'26  |
|               | Cuddalore . .                            | 2'57     | ...       | 1'07   | ...    | 7'32  | 4'67  | 2'84  | 13'89   | 3'30       | 8'35     | 11'44     | 4'35      | 59'80  |
|               | Vriddhachalam . .                        | 0'40     | ...       | 1'80   | ...    | 5'28  | 0'50  | 3'73  | 13'20   | 5'90       | 3'30     | 2'27      | 3'30      | 39'68  |
|               | Udayarpalayam<br>(Jayankondacholapuram). | 1'48     | ...       | 1'35   | ...    | 6'35  | 3'15  | 3'53  | 6'35    | 4'50       | 2'75     | 3'03      | 1'85      | 34'34  |
|               | Salem . .                                | ...      | ...       | 0'60   | 0'09   | 10'14 | 2'38  | 3'42  | 8'35    | 7'28       | 5'08     | 1'29      | 0'46      | 39'09  |
|               | Atur . .                                 | ...      | ...       | ...    | ...    | 4'05  | 1'20  | 4'55  | 5'85    | 2'50       | 2'40     | 0'70      | ...       | 21'25  |
|               | Shevaroy Hills . .                       | 0'60     | ...       | 2'60   | ...    | 9'65  | 9'90  | 10'90 | 22'75   | 10'40      | 9'35     | 3'65      | 1'40      | 81'20  |
|               | Kumbakonam . .                           | 0'80     | ...       | ...    | ...    | 8'05  | 4'53  | 8'50  | 15'05   | 5'45       | 3'90     | 4'60      | 1'40      | 52'28  |
|               | Tirupatur . .                            | ...      | ...       | 2'28   | 0'40   | 5'50  | 3'50  | 2'30  | 13'80   | 12'85      | 2'10     | 2'60      | 1'80      | 47'13  |
|               | Hosur . .                                | ...      | ...       | 0'10   | 0'70   | 6'00  | 4'90  | 6'75  | 7'40    | 11'05      | 1'75     | 4'48      | 1'30      | 44'43  |
|               | Tranquebar . .                           | 3'10     | 0'30      | ...    | ...    | 4'25  | 4'10  | 5'75  | 8'25    | 4'25       | 7'25     | 14'35     | 4'10      | 55'70  |
|               | Negapatam . .                            | 4'12     | 4'39      | 0'34   | ...    | 7'83  | 2'55  | 4'23  | 10'34   | 3'94       | 12'20    | 13'72     | 7'66      | 71'32  |
|               | Tanjore . .                              | 0'90     | 0'15      | ...    | 0'35   | 9'60  | 3'00  | 6'45  | 3'40    | 5'65       | 7'40     | 3'94      | 0'86      | 41'70  |
|               | Putukota . .                             | 2'70     | 0'70      | ...    | ...    | 4'80  | 2'70  | 3'75  | 11'00   | 7'07       | 10'87    | 6'40      | 2'95      | 52'94  |
|               | Trichinopoly . .                         | 0'27     | ...       | 1'12   | ...    | 12'30 | 0'61  | 6'19  | 7'60    | 1'89       | 3'44     | 4'10      | 0'42      | 37'94  |
|               | Karur . .                                | ...      | ...       | 0'25   | ...    | 6'89  | 1'82  | 1'93  | 6'19    | 4'30       | 1'08     | 0'40      | 0'41      | 23'27  |
|               | Coimbatore . .                           | 0'08     | ...       | ...    | 1'25   | 5'59  | 1'30  | 1'29  | 1'31    | 2'31       | 1'39     | 3'12      | 0'23      | 17'87  |
|               | Kollegal . .                             | ...      | ...       | 0'50   | 0'30   | 9'60  | 2'80  | 6'50  | 9'02    | 8'40       | 2'90     | 1'90      | ...       | 41'92  |
|               | Dindigul . .                             | 0'58     | ...       | 1'45   | 0'75   | 7'70  | 1'51  | 5'05  | 3'07    | 6'30       | 1'46     | 1'25      | 0'22      | 29'34  |
|               | Madura (Obsy.) . .                       | 0'45     | 0'02      | 0'66   | ...    | 7'18  | 0'96  | 6'36  | 5'86    | 12'01      | 4'74     | 1'17      | 0'49      | 39'90  |
|               | Madura (Cutchery) . .                    | 0'45     | ...       | 1'10   | 1'80   | 5'57  | 2'06  | 5'30  | 6'10    | 12'10      | 3'50     | 0'80      | 0'20      | 38'98  |
|               | Pasumali . .                             | 0'33     | ...       | ...    | 2'75   | 3'62  | 3'35  | 4'80  | 6'93    | 6'34       | 4'81     | 1'62      | 0'73      | 35'28  |
|               | Vattanam . .                             | 1'32     | 0'15      | ...    | 1'65   | 2'45  | 1'55  | 1'90  | 5'90    | 5'75       | 11'97    | 5'62      | 2'92      | 41'15  |
|               | Periyakulam . .                          | ...      | ...       | 2'75   | 2'97   | 5'37  | 1'72  | 1'77  | 3'32    | 3'63       | 3'75     | 1'47      | ...       | 26'75  |
|               | Tinnevely . .                            | 0'45     | ...       | 0'65   | 0'95   | 2'25  | 0'07  | 1'30  | 1'00    | 2'12       | 6'00     | 4'30      | 0'85      | 19'94  |
|               | Tuticorin . .                            | ...      | ...       | ...    | 0'20   | ...   | 0'30  | 0'50  | 1'25    | 2'35       | 8'42     | 4'87      | 0'60      | 18'49  |
|               | Satur . .                                | 0'30     | ...       | ...    | 0'08   | 2'20  | 2'38  | 4'38  | 4'98    | 4'15       | 4'80     | 1'80      | ...       | 25'07  |
|               | Cochin . .                               | 0'42     | 0'03      | 0'06   | 5'15   | 17'20 | 25'00 | 17'42 | 10'98   | 10'65      | 11'18    | 8'20      | 0'68      | 106'97 |
|               | Palghat . .                              | ...      | ...       | ...    | 1'05   | 10'38 | 12'90 | 17'75 | 7'30    | 4'75       | 10'55    | 2'23      | ...       | 66'91  |
|               | Wellington . .                           | 0'43     | ...       | 0'99   | 1'25   | 6'55  | 3'13  | 5'20  | 4'77    | 7'12       | 8'45     | 4'21      | 1'35      | 43'45  |
|               | Manantoddy . .                           | ...      | ...       | ...    | 1'88   | 7'98  | 23'68 | 31'43 | 9'18    | 5'56       | 5'22     | 2'22      | 0'05      | 87'20  |
|               | Calicut . .                              | ...      | 0'30      | ...    | 2'00   | 15'35 | 25'65 | 28'85 | 5'90    | 7'05       | 10'19    | 3'04      | 1'45      | 99'78  |
|               | Tellicherry . .                          | ...      | ...       | ...    | 4'20   | 16'45 | 30'64 | 39'32 | 7'58    | 9'05       | 7'10     | 2'90      | ...       | 117'24 |
|               | Cannanore . .                            | ...      | ...       | ...    | 0'05   | 15'23 | 26'42 | 35'88 | 6'45    | 8'31       | 8'22     | 2'05      | ...       | 102'61 |
|               | Mangalore . .                            | ...      | ...       | ...    | ...    | 9'32  | 23'97 | 39'00 | 11'17   | 10'14      | 6'74     | 3'65      | ...       | 103'99 |

TABLE XIV.—INCHES OF RAINFALL IN EACH MONTH OF 1886.

| PROVINCES.        | STATIONS.                    | January. | February. | March. | April. | May.   | June.  | July. | August. | September. | October. | November. | December. | Total. |
|-------------------|------------------------------|----------|-----------|--------|--------|--------|--------|-------|---------|------------|----------|-----------|-----------|--------|
| MYSORE AND COORG. | Bangalore . .                | ...      | ...       | 0'32   | 0'33   | 6'04   | 5'89   | 6'09  | 6'98    | 8'01       | 3'91     | 5'67      | 1'55      | 44'79  |
|                   | Mysore . .                   | ...      | ...       | 0'28   | 0'55   | 7'51   | 1'33   | 4'36  | 4'98    | 7'85       | 3'94     | 1'80      | 0'16      | 32'76  |
|                   | Shimoga . .                  | ...      | ...       | 0'19   | 0'68   | 4'56   | 22'03  | 7'55  | 3'22    | 7'66       | 4'35     | 2'19      | ...       | 52'43  |
|                   | Mercara . .                  | ...      | ...       | 0'06   | 0'86   | 10'26  | 7'66   | 44'00 | 22'30   | 6'40       | 11'90    | 2'68      | 0'12      | 106'24 |
|                   | Kolar . .                    | ...      | ...       | 0'08   | 0'08   | 4'45   | 2'15   | 6'26  | 3'42    | 5'63       | 2'54     | 4'46      | 0'56      | 29'63  |
|                   | Tumkur . .                   | ...      | ...       | 0'03   | 0'31   | 6'35   | 6'31   | 8'53  | 13'49   | 7'33       | 3'76     | 5'56      | 0'66      | 52'33  |
|                   | Chitaldroog .                | ...      | ...       | ...    | 0'04   | 2'14   | 1'09   | 2'21  | 1'28    | 9'03       | 2'38     | 3'97      | 0'21      | 22'35  |
|                   | Chikmagalur .                | ...      | ...       | 1'30   | 0'36   | 5'84   | 5'01   | 7'37  | 2'67    | 6'55       | 5'18     | 2'69      | 0'85      | 37'82  |
|                   | Hassan . .                   | ...      | ...       | ...    | 0'79   | 8'43   | 3'59   | 5'98  | 1'73    | 5'72       | 8'94     | 2'66      | 0'79      | 38'63  |
| CEYLON            | Jaffna . .                   | 5'42     | 4'45      | ...    | 0'02   | 4'67   | 1'28   | 3'14  | 1'37    | 3'02       | 5'74     | 8'48      | 5'10      | 42'69  |
|                   | Mannar . .                   | 5'31     | 2'01      | ...    | 2'80   | 1'69   | ...    | 2'44  | 4'68    | 2'57       | 5'44     | 11'48     | 3'57      | 41'99  |
|                   | Trincomalee .                | 9'36     | 2'02      | 0'07   | 1'13   | 3'65   | 2'18   | 4'49  | 6'69    | 2'85       | 4'05     | 11'74     | 12'47     | 60'70  |
|                   | Batticaloa . .               | 9'34     | 2'01      | 0'13   | 0'15   | 4'75   | 1'06   | 1'71  | 4'29    | 5'39       | 5'85     | 14'58     | 12'86     | 62'12  |
|                   | Hambantota .                 | 2'21     | 0'91      | 1'89   | 1'71   | 9'10   | 1'86   | 1'43  | 1'57    | 2'63       | 2'66     | 9'59      | 5'68      | 41'24  |
|                   | Galle . .                    | 6'19     | 1'04      | 1'99   | 9'47   | 20'01  | 6'29   | 11'50 | 3'34    | 7'71       | 11'86    | 8'66      | 12'86     | 100'92 |
|                   | Ratnapura . .                | 9'11     | 1'67      | 4'48   | 10'83  | 24'03  | 17'80  | 17'64 | 16'39   | 21'43      | 10'59    | 8'87      | 2'12      | 144'96 |
|                   | Colombo . .                  | 2'43     | 0'29      | 3'88   | 7'26   | 22'28  | 8'32   | 7'87  | 1'74    | 8'07       | 16'07    | 6'45      | 2'35      | 87'01  |
|                   | Kandy . .                    | 9'28     | 1'33      | 3'84   | 5'34   | 11'04  | 10'23  | 11'11 | 12'70   | 10'11      | 8'86     | 6'69      | 3'39      | 93'92  |
|                   | Newera Eliya .               | 6'70     | 1'39      | 2'82   | 4'45   | 11'24  | 12'37  | 11'25 | 13'64   | 11'27      | 11'09    | 5'73      | 5'39      | 97'34  |
|                   | Puttalam . .                 | 2'54     | 2'50      | 0'20   | 3'81   | 4'62   | 2'63   | 0'79  | 0'64    | 4'32       | 7'31     | 5'04      | 4'12      | 38'52  |
|                   | Anuradhapura .               | 0'58     | 1'08      | 0'77   | 7'31   | 4'46   | 2'92   | 3'78  | 5'87    | 6'00       | ?        | 6'33      | 2'52      | ?      |
|                   | Akyab . .                    | ...      | ...       | 1'25   | ...    | 10'00  | 27'56  | 39'33 | 32'87   | 19'37      | 10'22    | 4'22      | ...       | 144'82 |
|                   | Kyaukpyu . .                 | ...      | ...       | 0'08   | ...    | 7'75   | 38'41  | 41'84 | 43'96   | 21'69      | 11'39    | 4'23      | 1'30      | 170'65 |
|                   | Sandoway . .                 | ...      | 0'02      | ...    | ...    | 6'71   | 56'27  | 58'06 | 41'70   | 17'51      | 12'37    | 3'28      | ...       | 195'92 |
|                   | Rangoon . .                  | ...      | 1'58      | ...    | ...    | 11'32  | 23'01  | 18'28 | 17'83   | 13'02      | 12'11    | 1'84      | ...       | 98'99  |
|                   | Bassein . .                  | ...      | 2'54      | ...    | 0'25   | 6'12   | 23'87  | 20'43 | 21'02   | 12'72      | 6'91     | 4'14      | ...       | 98'00  |
| BURMA             | Diamond Island .             | ...      | 1'22      | ...    | ...    | 8'71   | 18'04  | 18'31 | 22'37   | 19'06      | 3'85     | 14'88     | ...       | 106'44 |
|                   | Henzada . .                  | ...      | 3'40      | ...    | ...    | 7'32   | 23'62  | 19'88 | 11'82   | 12'89      | 7'43     | 1'48      | ...       | 87'84  |
|                   | Myanaung . .                 | ...      | 0'32      | ...    | ...    | 3'41   | 14'61  | 5'98  | 5'70    | 6'04       | 2'94     | 2'70      | ...       | 41'70  |
|                   | Prome . .                    | ...      | 0'06      | 0'07   | ...    | 2'14   | 12'98  | 5'43  | 11'23   | 4'92       | 4'95     | 2'41      | ...       | 44'19  |
|                   | Thayetmyo . .                | 0'02     | 0'12      | ...    | 0'44   | 3'42   | 8'55   | 6'69  | 6'42    | 9'01       | 1'96     | 5'37      | ...       | 42'00  |
|                   | Mandalay . .                 | ?        | ?         | ?      | ?      | 8'24+? | 5'96   | 4'07  | 2'63    | 3'62       | 4'23     | 2'58      | 0'18      | ?      |
|                   | Shweybo . .                  | ?        | ?         | ?      | ?      | 6'76+? | 5'74   | 3'14  | 8'57    | 3'37       | 3'03     | 4'22      | ...       | ?      |
|                   | Yeu . .                      | ?        | ?         | ?      | ?      | 5'49+? | 4'96   | 3'59  | 7'80    | 3'58       | 2'01     | 0'84      | ...       | ?      |
|                   | Minbu . .                    | ?        | ?         | ?      | ?      | ?      | 0'21+? | 3'06  | 8'32    | 5'16       | 1'76     | 4'16      | ...       | ?      |
|                   | Pyinmana (Ning-<br>yan). . . | ?        | ?         | ?      | ?      | ?      | 1'49+? | 12'47 | 17'23   | 6'99       | 4'82     | 2'09      | ...       | ?      |
|                   | Pagan . .                    | ?        | ?         | ?      | ?      | ?      | 7'33   | 0'41  | 2'65    | 2'38       | 2'80     | 1'67      | ...       | ?      |
|                   | Kyanksai . .                 | ?        | ?         | ?      | ?      | ?      | 4'53   | 1'14  | 5'01    | 14'97      | 4'11     | 3'00      | ...       | ?      |
|                   | Bhamo . .                    | ?        | ?         | ?      | ?      | ?      | ?      | ?     | 17'40   | 14'57      | 8'46     | 0'12      | 0'83      | ?      |

TABLE XIV.—INCHES OF RAINFALL IN EACH MONTH OF 1886.

| PROVINCES.           | STATIONS.         | January. | February. | March. | April. | May.  | June.  | July.  | August. | September. | October. | November. | December. | Total. |
|----------------------|-------------------|----------|-----------|--------|--------|-------|--------|--------|---------|------------|----------|-----------|-----------|--------|
| BURMA— <i>contd.</i> | Kendat . . .      | ?        | ?         | ?      | ?      | ?     | 3'52+? | 12'82  | 20'02   | 10'70      | 6'12     | 1'82      | ...       | ?      |
|                      | Toungdwingyee . . | ?        | ?         | ?      | ?      | ?     | ?      | 2'10+? | 9'36    | 5'41       | 2'25     | 6'10      | ...       | ?      |
|                      | Ye Methin . . .   | ?        | ?         | ?      | ?      | ?     | 6'72   | 2'49   | 10'73   | 4'07       | 2'84     | ?         | ?         | ?      |
|                      | Fort Sagaing . .  | ?        | ?         | ?      | ?      | ?     | ?      | ?      | ?       | 1'81+?     | 4'13     | 3'90      | 0'09      | ?      |
|                      | Mingim . . .      | ?        | ?         | ?      | ?      | ?     | ?      | ?      | ?       | 7'11+?     | 1'61     | 2'42      | 0'03      | ?      |
|                      | Toungoo . . .     | ...      | 2'42      | 0'12   | ...    | 9'12  | 13'27  | 16'97  | 22'02   | 8'84       | 6'26     | 1'08      | ...       | 80'10  |
|                      | Shwegyin . . .    | 0'11     | 3'11      | ...    | ...    | 7'41  | 23'06  | 33'42  | 42'63   | 16'75      | 7'91     | 2'12      | ...       | 136'52 |
|                      | Moulmein . . .    | ...      | 0'05      | 0'06   | ...    | 19'93 | 33'83  | 43'22  | 32'93   | 15'84      | 11'30    | ...       | ...       | 157'16 |
|                      | Tavoy . . .       | ...      | 0'12      | 1'46   | 0'95   | 15'86 | 50'70  | 47'76  | 43'34   | 36'48      | 18'97    | 0'19      | ...       | 215'83 |
|                      | Mergui . . .      | 0'10     | 3'38      | 2'16   | 2'48   | 20'94 | 33'51  | 37'89  | 28'46   | 29'68      | 11'33    | 2'64      | ...       | 172'57 |
| BAY ISLANDS .        | Cocos Island . .  | ?        | ?         | ?      | ?      | ?     | ?      | 12'11  | 17'92   | 15'00      | 6'75     | 24'64     | ...       | ?      |
|                      | Port Blair . . .  | 0'20     | 1'74      | 0'22   | 2'28   | 16'06 | 13'94  | 6'07   | 14'39   | 12'94      | 13'00    | 20'04     | 2'83      | 103'71 |
|                      | Nancowry . . .    | 5'08     | 0'52      | 0'31   | 1'26   | 17'57 | 14'07  | 14'68  | 16'95   | 12'57      | 11'99    | 25'23     | 7'61      | 127'84 |
| STRAITS SETTLEMENTS. | Singapore . . .   | 9'60     | 3'79      | 3'49   | 5'71   | 9'74  | 8'51   | 1'71   | 16'28   | 5'84       | 9'15     | 9'43      | 7'28      | 90'53  |

TABLE XV.—NUMBER OF DAYS ON WHICH RAINFALL WAS MEASURED IN 1886.  
(500 STATIONS).

| PROVINCES.   | STATIONS.            | January. | February. | March. | April. | May.   | June. | July. | August. | September. | October. | November. | December. | Total. |
|--------------|----------------------|----------|-----------|--------|--------|--------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| ARABIA . .   | Aden . . .           | 5        | 2         | 1      | ...    | ...    | ...   | ...   | ...     | 1          | ...      | 1         | ...       | 10     |
| PERSIA . .   | Bushire . .          | 6        | 8         | 4      | 1      | ...    | ...   | ...   | ...     | ...        | ...      | ...       | 5         | 24     |
| LAKHADIVES . | Amini Divi . .       | ...      | ...       | ...    | ?      | 10 + ? | 23    | 26    | 20      | 24         | 15       | 5         | 2         | ?      |
| BELUCHISTAN  | Peshin . . .         | 8        | 9         | 13     | 2      | 3      | ...   | 3     | ...     | ...        | ...      | 1         | 3         | 42     |
|              | Kelat . . .          | 8        | 6         | 7      | ...    | 3      | ...   | 1     | 1       | ...        | ...      | 1         | ...       | 27     |
|              | Quetta . . .         | 13       | 15        | 8      | 1      | 2      | ...   | 3     | ...     | ...        | ...      | 1         | 3         | 46     |
| KASHMIR . .  | Leh . . .            | 9        | 8         | 5      | 6      | 1      | 4     | 5     | 3       | ...        | 1        | ...       | 1         | 43     |
| PUNJAB . .   | Abbottabad . .       | 8        | 10        | 13     | 8      | 5      | 5     | 13    | 18      | 10         | 2        | 1         | 4         | 97     |
|              | Murree (Obsy.) .     | 9        | 8         | 13     | 10     | 5      | 4     | 15    | 16      | 11         | 2        | 1         | 6         | 100    |
|              | Murree (Cutchery)    | 6        | 4         | 13     | 4      | 4      | 3     | 12    | 15      | 9          | 1        | 1         | ?         | ?      |
|              | Murree (Brewery)     | 10       | 7         | 12     | 9      | 6      | 4     | 18    | 14      | 12         | 2        | 2         | 7         | 103    |
|              | Chamba . . .         | 10       | 12        | 15     | 7      | 11     | 9     | 20    | 15      | 6          | 3        | ...       | 7         | 115    |
|              | Dharmasala . .       | 11       | 3         | 10     | 4      | 10     | 7     | 26    | 28      | 10         | 4        | ...       | 7         | 120    |
|              | Kailang . . .        | 11       | 13        | 13     | 10     | 13     | 3     | 3     | 7       | 3          | 1        | 1         | 6         | 84     |
|              | Kilba . . .          | 9        | 8         | 10     | 7      | 9      | 7     | 10    | 8       | 1          | 3        | 1         | 3         | 76     |
|              | Simla (Obsy.) .      | 10       | 7         | 13     | 3      | 12     | 11    | 27    | 23      | 7          | 5        | 2         | 6         | 126    |
|              | Simla (Cutchery) .   | 4        | 1         | 10     | 2      | 7      | 9     | 21    | 17      | 4          | 3        | 1         | 1         | 80     |
|              | Peshawar (Obsy.) .   | 7        | 6         | 8      | 7      | 3      | ...   | 4     | ...     | 2          | 1        | 1         | 3         | 42     |
|              | Peshawar (Cutchery). | 5        | 3         | 8      | 5      | 2      | ...   | 4     | ...     | 1          | 1        | 1         | 3         | 33     |
|              | Kohat . . .          | 6        | 2         | 8      | 7      | 5      | 2     | 5     | 3       | 4          | ...      | 1         | 1         | 44     |
|              | Bannu . . .          | 5        | 2         | 4      | 1      | 1      | ...   | 3     | 3       | ...        | ...      | 1         | 1         | 21     |
|              | Dera Ismail Khan     | 5        | 3         | 5      | ...    | 2      | 1     | 5     | 1       | ...        | ...      | 2         | 1         | 25     |
|              | Dera Ghazi Khan .    | 5        | ...       | 3      | ...    | 2      | ...   | 3     | ...     | ...        | ...      | 2         | ...       | 15     |
|              | Muzaffargarh . .     | 4        | ...       | 2      | ...    | 2      | 1     | 2     | ...     | ...        | ...      | 1         | ...       | 12     |
|              | Mooltan (Obsy.) .    | 5        | ...       | 4      | ...    | 1      | 1     | 5     | ...     | ...        | ...      | 2         | ...       | 18     |
|              | Mooltan (Cutchery)   | 3        | ...       | 2      | ...    | ...    | ...   | 3     | ...     | ...        | ...      | 1         | ...       | 9      |
|              | Jhang . . .          | 4        | ...       | 4      | ...    | ...    | 3     | 5     | ...     | ...        | ...      | ...       | ...       | 16     |
|              | Montgomery . .       | 2        | ...       | 1      | ...    | 1      | 5     | 3     | 2       | ...        | ...      | 1         | ...       | 15     |
|              | Shahpur . . .        | 3        | 2         | 7      | ...    | 3      | 1     | 5     | 2       | 2          | ...      | ...       | ...       | 25     |
|              | Rawalpindi . .       | 5        | 5         | 7      | 7      | 4      | 3     | 8     | 14      | 4          | 1        | 1         | 4         | 63     |
|              | Jhelum . . .         | 5        | 3         | 6      | 2      | 5      | 3     | 9     | 9       | 1          | 2        | ...       | 5         | 50     |
|              | Gujrat . . .         | 8        | 1         | 6      | 1      | 1      | 4     | 7     | 8       | 1          | 2        | ...       | 3         | 42     |
|              | Sialkot (Obsy.) .    | 8        | 5         | 10     | 1      | 3      | 7     | 13    | 13      | 3          | 2        | ...       | 4         | 69     |
|              | Sialkot (Cutchery)   | 5        | 1         | 5      | ...    | 3      | 6     | 13    | 12      | 2          | 2        | ...       | 2         | 51     |
|              | Gujranwala . .       | 8        | 1         | 6      | ...    | 1      | 2     | 6     | 7       | 1          | 1        | ...       | ...       | 33     |
|              | Gurdaspur . . .      | 6        | 1         | 7      | ...    | 3      | 5     | 9     | 11      | 5          | 1        | ...       | 2         | 50     |
|              | Dhariwal . . .       | 7        | 2         | 6      | ...    | 3      | 6     | 15    | 11      | 1          | 2        | ...       | 3         | 56     |

TABLE XV.—NUMBER OF DAYS ON WHICH RAINFALL WAS MEASURED IN 1886.

| PROVINCES.    | STATIONS.              | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|---------------|------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| PUNJAB—contd. | Lahore . . .           | 6        | 1         | 7      | ...    | 1    | 4     | 8     | 5       | 2          | 2        | 1         | 1         | 38     |
|               | Amritsar . . .         | 3        | 2         | 5      | 1      | 2    | 4     | 9     | 2       | 1          | 1        | ...       | 1         | 31     |
|               | Ferozepore . . .       | 5        | 1         | 2      | ...    | ...  | 3     | 7     | 3       | ...        | 2        | 1         | ...       | 24     |
|               | Jullundur . . .        | 4        | ...       | 5      | 1      | ...  | 5     | 11    | 8       | 2          | 2        | ...       | 2         | 40     |
|               | Hoshiarpur . . .       | 8        | 1         | 7      | ...    | 4    | 5     | 10    | 11      | 2          | 2        | 1         | 4         | 55     |
|               | Ludhiana . . .         | 10       | 3         | 9      | ...    | 5    | 2     | 12    | 9       | 3          | 2        | 1         | 2         | 58     |
|               | Umballa . . .          | 5        | 1         | 4      | ...    | 3    | 6     | 9     | 15      | 3          | 1        | ...       | 1         | 48     |
|               | Sirsa . . .            | 7        | ...       | 3      | 1      | 4    | 10    | 9     | 6       | 1          | 1        | 1         | 1         | 44     |
|               | Hissar . . .           | 4        | ...       | 3      | ...    | 1    | 3     | 7     | 6       | ...        | 1        | ...       | ...       | 25     |
|               | Rohtak . . .           | 5        | ...       | 4      | ...    | 2    | 4     | 6     | 6       | 1          | 1        | ...       | ...       | 29     |
|               | Delhi (Osby.) . . .    | 4        | 1         | 3      | 1      | 4    | 5     | 12    | 10      | 2          | 2        | ...       | 1         | 45     |
|               | Delhi (Cutchery) . . . | 4        | 1         | 3      | 1      | 3    | 6     | 16    | 10      | 2          | 2        | ...       | 1         | 49     |
|               | Gurgaon . . .          | 2        | 1         | 2      | ...    | 3    | 5     | 10    | 3       | 4          | 3        | ...       | ...       | 33     |
|               | Karnal . . .           | 3        | 2         | 2      | 1      | 3    | 5     | 11    | 7       | 1          | 1        | ...       | 2         | 38     |
|               | Jeysulmere . . .       | 2        | ...       | 1      | ...    | 1    | 2     | 6     | 4       | ...        | ...      | ...       | ...       | 16     |
|               | Phalodi . . .          | ...      | ...       | 2      | ...    | 1    | 4     | 6     | 2       | ...        | ...      | ...       | ...       | 15     |
|               | Bhatki . . .           | ...      | ...       | ...    | ...    | 1    | 3     | 17    | 6       | 2          | 1        | ...       | ...       | 30     |
|               | Bickaneer . . .        | 3        | ...       | 1      | ...    | 2    | 5     | 8     | 3       | ...        | ...      | ...       | ...       | 22     |
|               | Nagar . . .            | 1        | ...       | 1      | 1      | 1    | 8     | 10    | 10      | 2          | 1        | ...       | ...       | 35     |
|               | Didwana . . .          | 1        | ...       | 2      | ...    | 4    | 8     | 12    | 10      | 2          | 1        | ...       | ...       | 40     |
|               | Jhunjhnu . . .         | 2        | ...       | 4      | ...    | 3    | 7     | 13    | 5       | 1          | ...      | ...       | ...       | 35     |
|               | Khetri . . .           | ?        | ?         | ?      | ?      | ?    | ?     | 12    | 8       | 2          | 2        | ...       | ...       | ?      |
|               | Sikar . . .            | ?        | ...       | ?      | ...    | 3    | 4     | 13    | 7       | 1          | 1        | 1         | ...       | ?      |
|               | Sri Madhopur . . .     | 2        | ...       | 2      | ...    | 4    | 12    | 13    | 6       | 1          | 4        | ...       | ...       | 44     |
|               | Ulwur . . .            | 3        | ...       | 5      | ...    | 5    | 10    | 12    | 8       | 4          | 2        | ...       | ...       | 49     |
| RAJPUTANA .   | Bhurtapore . . .       | 2        | ...       | 2      | ...    | 2    | 4     | 16    | 11      | 3          | 2        | ...       | ...       | 42     |
|               | Bandikui . . .         | 2        | ...       | 4      | ...    | 5    | 12    | 15    | 10      | 3          | 4        | ...       | ...       | 55     |
|               | Jeypore . . .          | 3        | ...       | 3      | ...    | 2    | 9     | 16    | 13      | 5          | 4        | 1         | ...       | 56     |
|               | Sambhar . . .          | 2        | ...       | 1      | ...    | 4    | 5     | 16    | 10      | 2          | 3        | ...       | ...       | 43     |
|               | Kerowlee . . .         | 4        | ...       | ...    | ...    | 4    | 10    | 15    | 11      | 2          | 2        | ...       | ...       | 48     |
|               | Lalsot . . .           | 1        | ...       | ...    | ...    | 3    | 6     | 12    | 11      | 2          | 1        | ...       | ...       | 36     |
|               | Tonk . . .             | 3        | ...       | ...    | ...    | 6    | 9     | 15    | 9       | 3          | 2        | 1         | ...       | 48     |
|               | Siwai Madhopur . . .   | 2        | ...       | ...    | ...    | 3    | 5     | 16    | 14      | 2          | 3        | ...       | ...       | 45     |
|               | Deoli . . .            | 1        | ...       | 1      | ...    | 3    | 10    | 17    | 16      | 4          | 1        | ...       | ...       | 53     |
|               | Kotah . . .            | 1        | ...       | 1      | ...    | 3    | 10    | 13    | 14      | 4          | 1        | 1         | ...       | 48     |
|               | Jhalrapatan . . .      | 1        | ...       | ...    | ...    | 3    | 16    | 16    | 12      | 3          | 8        | 1         | 1         | 61     |
|               | Ajmere . . .           | 1        | 1         | ...    | ...    | 3    | 6     | 12    | 9       | 2          | 2        | ...       | ...       | 36     |
|               | Nusseerabad . . .      | 1        | ...       | ...    | ...    | 2    | 5     | 8     | 13      | ...        | 2        | ...       | ...       | 31     |
|               | Malpura . . .          | 2        | ...       | ...    | ...    | 4    | 4     | 14    | 14      | 2          | 1        | ...       | ...       | 41     |

TABLE XV.—NUMBER OF DAYS ON WHICH RAINFALL WAS MEASURED IN 1886.

| PROVINCES.                  | STATIONS.                                  | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|-----------------------------|--------------------------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| RAJPUTANA—<br><i>contd.</i> | Beawar . . .                               | ...      | ...       | ...    | ...    | 1    | 4     | 6     | 9       | ...        | 2        | ...       | ...       | 22     |
|                             | Jodhpore . . .                             | ...      | 1         | ...    | 2      | 1    | 7     | 11    | 8       | ...        | ...      | ...       | ...       | 30     |
|                             | Jodhpore (Residen-<br>cy). Pachpadra . . . | ...      | 1         | 1      | ...    | 1    | 5     | 5     | 7       | ...        | ...      | ...       | ...       | 20     |
|                             | Jasol . . .                                | ...      | ...       | 2      | ...    | 1    | 3     | 7     | 5       | ...        | ...      | ...       | ...       | 18     |
|                             | Barmer . . .                               | ...      | ...       | 3      | ...    | ...  | 6     | 10    | 8       | ...        | 1        | ...       | ...       | 28     |
|                             | Pali . . .                                 | ...      | ...       | 1      | 1      | ...  | 4     | 6     | 3       | 1          | ...      | ...       | ...       | 16     |
|                             | Shahpoora . . .                            | ...      | ...       | ...    | ...    | 1    | 6     | 8     | 6       | 1          | 2        | ...       | ...       | 24     |
|                             | Erinpura . . .                             | 1        | ...       | ...    | ...    | 6    | 8     | 9     | 13      | 2          | 1        | ...       | ...       | 40     |
|                             | Sirohee . . .                              | 1        | ...       | 2      | ...    | ...  | 10    | 16    | 15      | 3          | 1        | ...       | ...       | 48     |
|                             | Mount Abu . . .                            | ...      | ...       | ...    | ...    | 1    | 3     | 11    | 8       | 4          | ...      | ...       | ...       | 27     |
|                             | Kotra . . .                                | 1        | ...       | 2      | ...    | 2    | 14    | 29    | 25      | 8          | 2        | ...       | ...       | 83     |
|                             | Oodeypore . . .                            | ...      | ...       | 1      | ...    | 1    | 10    | 26    | 27      | 4          | 2        | ...       | ...       | 71     |
|                             | Partabgarh . . .                           | ...      | ...       | 1      | 1      | 1    | 11    | 23    | 20      | 4          | 3        | ...       | ...       | 64     |
|                             | Kherwara . . .                             | ...      | ...       | ...    | ...    | 2    | 7     | 28    | 25      | 4          | 7        | ...       | ...       | 73     |
|                             | Banswara . . .                             | ...      | ...       | ...    | ...    | 2    | 9     | 28    | 23      | 3          | 4        | ...       | ...       | 69     |
|                             | Neemuch (Obsy.)                            | ...      | ...       | ...    | ...    | 1    | 13    | 27    | 21      | 4          | 6        | ...       | ...       | 72     |
|                             | Neemuch (Cutchery)                         | ...      | ...       | ...    | ...    | 4    | 14    | 18    | 15      | 2          | 6        | ...       | 1         | 60     |
|                             | Sirdarpore . . .                           | ...      | ...       | ...    | ...    | 4    | 13    | 15    | 15      | 2          | 5        | ...       | ...       | 54     |
|                             | Agar . . .                                 | ...      | ...       | ...    | ...    | 2    | 13    | 26    | 23      | 4          | 9        | ...       | ...       | 77     |
|                             | Rutlam . . .                               | 1        | ...       | 1      | ...    | 2    | 11    | 17    | 21      | 4          | 8        | ...       | 1         | 66     |
| CENTRAL INDIA               | Indore . . .                               | ...      | ...       | ...    | ...    | 3    | 16    | 25    | 23      | 4          | 8        | ...       | 1         | 80     |
|                             | Bhopal (Sehore) . . .                      | 1        | ...       | ...    | 1      | 3    | 20    | 27    | 18      | 4          | 10       | ...       | 2         | 86     |
|                             | Goona . . .                                | ...      | ...       | ...    | ...    | 2    | 13    | 20    | 16      | 4          | 9        | ...       | 2         | 66     |
|                             | Morar . . .                                | 1        | 1         | 3      | 1      | 2    | 13    | 24    | 23      | 5          | 10       | 1         | 1         | 85     |
|                             | Nowgong . . .                              | 3        | ...       | ...    | ...    | 1    | 5     | 16    | 14      | 4          | 4        | ...       | 1         | 48     |
|                             | Sutna . . .                                | 3        | 1         | 4      | ...    | 3    | 12    | 23    | 18      | 6          | 11       | ...       | 1         | 82     |
|                             | Nagode . . .                               | 2        | 2         | 4      | ...    | 2    | 9     | 21    | 16      | 10         | 12       | ...       | 1         | 79     |
|                             | Maihar . . .                               | ...      | ...       | 3      | ...    | 1    | 6     | 20    | 15      | 10         | 8        | ...       | 1         | 64     |
|                             | Rewah . . .                                | 1        | ...       | 2      | ...    | 3    | 9     | 24    | 17      | 7          | 10       | ...       | 1         | 74     |
|                             | Chandia . . .                              | 2        | 1         | 4      | ...    | 5    | 8     | 23    | 23      | 10         | 12       | 1         | 2         | 91     |
|                             | Ramnagar . . .                             | ...      | ...       | 3      | ...    | 1    | 11    | 21    | 14      | 8          | 18       | ...       | 1         | 77     |
|                             | Sihawal (Bardi) . . .                      | ...      | 1         | 3      | ...    | 1    | 9     | 20    | 10      | 7          | 5        | ...       | 1         | 57     |
|                             | Sitlaha . . .                              | 2        | 1         | 5      | ...    | 4    | 10    | 22    | 14      | 9          | 5        | 1         | 2         | 75     |
|                             | Sohagpur . . .                             | 1        | 1         | 3      | ...    | 1    | 9     | 18    | 12      | 13         | 10       | 1         | 1         | 70     |
| N.-W. PROVIN-<br>CES.       | Chakrata . . .                             | ...      | 1         | 5      | 1      | 1    | 13    | 27    | 5       | 5          | 11       | 1         | 1         | 71     |
|                             | Mussooree . . .                            | 8        | 6         | 13     | 2      | 10   | 12    | 24    | 22      | 8          | 4        | 1         | 4         | 114    |
|                             | Srinagar . . .                             | 7        | 3         | 10     | 1      | 12   | 12    | 27    | 26      | 4          | 3        | ...       | 5         | 110    |
|                             | Pauri . . .                                | 4        | 4         | 9      | 1      | 9    | 5     | 14    | 10      | 4          | 2        | ...       | 2         | 64     |
|                             |                                            | 2        | 4         | 12     | 2      | 11   | 9     | 17    | 17      | 3          | 2        | ...       | 3         | 82     |

TABLE XV.—NUMBER OF DAYS ON WHICH RAINFALL WAS MEASURED IN 1886.

| PROVINCES.             | STATIONS.         | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|------------------------|-------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| N.-W. PROVINCES—contd. | Ranikhet . .      | 7        | 6         | 11     | 1      | 10   | 11    | 25    | 21      | 5          | 5        | 1         | 1         | 104    |
|                        | Almora . .        | 5        | 4         | 9      | ...    | 10   | 15    | 16    | 16      | 5          | 3        | ...       | ...       | 83     |
|                        | Pithoragarh . .   | 7        | 7         | 12     | 3      | 17   | 15    | 26    | 25      | 14         | 5        | ...       | 1         | 132    |
|                        | Naini Tal . .     | 5        | 5         | 8      | 2      | 8    | 14    | 25    | 25      | 6          | 4        | ...       | ...       | 102    |
|                        | Dehra Dun . .     | 7        | 4         | 9      | 1      | 6    | 10    | 24    | 23      | 10         | 4        | 1         | 2         | 101    |
|                        | Saharanpur . .    | 3        | 1         | 2      | ...    | 5    | 4     | 14    | 11      | 3          | 1        | ...       | 2         | 46     |
|                        | Roorkee . .       | 6        | 5         | 7      | ...    | 8    | 9     | 16    | 18      | 5          | 2        | 1         | 1         | 78     |
|                        | Muzaffarnagar . . | 3        | ...       | 2      | ...    | 4    | 4     | 6     | 8       | 4          | 1        | ...       | 1         | 33     |
|                        | Bijnor . .        | 4        | ...       | 2      | ...    | 4    | 8     | 9     | 11      | 5          | 1        | ...       | ...       | 44     |
|                        | Meerut . .        | 4        | 2         | 6      | ...    | 5    | 7     | 11    | 9       | 3          | 1        | ...       | 1         | 49     |
|                        | Moradabad . .     | 4        | 1         | 3      | ...    | 3    | 6     | 15    | 10      | 8          | 2        | ...       | ...       | 52     |
|                        | Rudarpur . .      | 2        | ...       | 3      | ...    | 4    | 10    | 10    | 9       | 6          | ...      | ...       | ...       | 44     |
|                        | Pilibhit . .      | 1        | ...       | 4      | ...    | 5    | 5     | 9     | 11      | 7          | 1        | ...       | ...       | 43     |
|                        | Bulandshahr . .   | 4        | ...       | 3      | ...    | 3    | 4     | 10    | 12      | 1          | 1        | ...       | ...       | 38     |
|                        | Bareilly . .      | 3        | 1         | 8      | ...    | 7    | 10    | 15    | 12      | 9          | 4        | ...       | 1         | 70     |
|                        | Budaun . .        | 2        | ...       | 2      | ...    | 2    | 7     | 14    | 19      | 10         | 2        | ...       | 1         | 59     |
|                        | Shahjahanpur . .  | 1        | ...       | 2      | ...    | 2    | 7     | 13    | 15      | 10         | 3        | ...       | ...       | 53     |
|                        | Aligarh . .       | 3        | ...       | 1      | ...    | 3    | 7     | 12    | 8       | 2          | 2        | ...       | ...       | 38     |
|                        | Muttra . .        | 4        | ...       | 3      | ...    | 3    | 6     | 14    | 11      | 1          | 1        | ...       | ...       | 43     |
|                        | Agra . .          | 2        | ...       | 3      | ...    | 3    | 8     | 15    | 14      | 5          | 1        | ...       | ...       | 51     |
|                        | Etah . .          | 2        | ...       | 2      | ...    | 3    | 4     | 12    | 9       | 7          | ...      | ...       | ...       | 39     |
|                        | Mainpuri . .      | 2        | ...       | 1      | ...    | 2    | 4     | 11    | 13      | 10         | ...      | ...       | ...       | 43     |
|                        | Farrukhabad . .   | 2        | ...       | 1      | ...    | 2    | 6     | 17    | 12      | 5          | 2        | ...       | ...       | 47     |
|                        | Etawah . .        | 3        | ...       | 1      | ...    | 2    | 4     | 15    | 11      | 6          | 1        | ...       | 1         | 44     |
|                        | Cawnpore . .      | 1        | ...       | 2      | ...    | 2    | 7     | 17    | 10      | 5          | 6        | ...       | 1         | 51     |
|                        | Fatehpur . .      | ...      | ...       | 3      | ...    | ...  | 5     | 10    | 9       | 5          | 6        | ...       | 2         | 40     |
|                        | Jalaun (Orai) . . | ...      | ...       | ...    | ...    | ...  | 4     | 20    | 8       | 4          | 2        | ...       | 1         | 39     |
|                        | Hamirpur . .      | ...      | ...       | 4      | ...    | 5    | 8     | 16    | 9       | 4          | 2        | ...       | 1         | 49     |
|                        | Banda . .         | ...      | ...       | 3      | ...    | 1    | 7     | 18    | 11      | 6          | 8        | ...       | 1         | 55     |
|                        | Allahabad . .     | 1        | 1         | 5      | ...    | 3    | 9     | 18    | 15      | 12         | 9        | 1         | 1         | 75     |
|                        | Basti . .         | 1        | ...       | 3      | ...    | 7    | 8     | 16    | 15      | 11         | 4        | ...       | 1         | 66     |
|                        | Gorakhpur . .     | 2        | 2         | 4      | ...    | 5    | 7     | 15    | 18      | 11         | 7        | ...       | 2         | 73     |
|                        | Azamgarh . .      | ...      | ...       | 2      | ...    | 1    | 7     | 17    | 18      | 9          | 5        | ...       | 1         | 66     |
|                        | Jaunpur . .       | ...      | ...       | 2      | ...    | 1    | 8     | 18    | 14      | 12         | 6        | ...       | 1         | 62     |
|                        | Benares . .       | 1        | 1         | 3      | ...    | 3    | 8     | 24    | 18      | 19         | 7        | 2         | 2         | 88     |
|                        | Mirzapur . .      | 2        | ...       | 2      | ...    | 1    | 8     | 20    | 18      | 14         | 6        | 1         | 1         | 73     |
|                        | Ghazipur . .      | ...      | ...       | 1      | ...    | 2    | 7     | 17    | 10      | 13         | 7        | ...       | 2         | 59     |
|                        | Ballia . .        | ...      | ...       | 1      | ...    | 2    | 10    | 24    | 19      | 13         | 7        | 1         | 1         | 78     |
|                        | Dudhi . .         | ...      | ...       | 5      | ...    | ...  | 5     | 10    | 10      | 10         | 6        | ...       | ...       | 46     |



TABLE XV.—NUMBER OF DAYS ON WHICH RAINFALL WAS MEASURED IN 1886.

| PROVINCES.                  | STATIONS.                   | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|-----------------------------|-----------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| N.-W. PROV-<br>INCES—concl. | Robertsganj . . .           | 1        | ...       | 3      | ...    | 1    | 8     | 19    | 14      | 14         | 5        | 1         | 1         | 67     |
|                             | Jhansi . . .                | 2        | ...       | 5      | ...    | 6    | 14    | 20    | 13      | 4          | 9        | ...       | 1         | 74     |
|                             | Lalitpur . . .              | 2        | 1         | 1      | 1      | 2    | 9     | 21    | 14      | 4          | 5        | ...       | 1         | 61     |
|                             | Kheri . . .                 | 1        | ...       | 3      | ...    | 2    | 9     | 16    | 17      | 9          | 4        | ...       | 1         | 62     |
|                             | Sitapur . . .               | 1        | ...       | 2      | ...    | 4    | 7     | 17    | 15      | 6          | 1        | ...       | 1         | 54     |
|                             | Bahraich . . .              | 2        | ...       | 3      | ...    | 6    | 6     | 15    | 13      | 5          | 2        | ...       | 2         | 54     |
|                             | Gonda . . .                 | 1        | ...       | 2      | ...    | 6    | 7     | 18    | 21      | 7          | 5        | ...       | ...       | 67     |
| OUDH . . .                  | Hardoi . . .                | 2        | ...       | 1      | ...    | 1    | 7     | 12    | 11      | 5          | 2        | ...       | ...       | 41     |
|                             | Nawabganj (Bara Banki). . . | 1        | ...       | 1      | ...    | 4    | 11    | 13    | 15      | 12         | ...      | ...       | 2         | 59     |
|                             | Lucknow . . .               | 2        | ...       | 3      | ...    | 4    | 10    | 17    | 13      | 12         | 4        | ...       | 2         | 67     |
|                             | Unao . . .                  | 1        | ...       | 1      | ...    | 1    | 6     | 15    | 11      | 6          | 6        | ...       | 1         | 48     |
|                             | Fyzabad . . .               | ...      | ...       | 3      | ...    | 6    | 8     | 17    | 12      | 5          | 3        | ...       | 2         | 56     |
|                             | Sultanpur . . .             | ...      | ...       | 3      | ...    | 3    | 5     | 17    | 14      | 10         | 8        | ...       | 1         | 61     |
|                             | Rae Bareilly . . .          | ...      | ...       | 3      | ...    | 2    | 9     | 17    | 14      | 10         | 6        | ...       | 1         | 62     |
| NEPAL . . .                 | Partabgarh . . .            | ...      | ...       | 4      | ...    | 4    | 8     | 18    | 17      | 11         | 5        | ...       | 1         | 68     |
|                             | Katmandu . . .              | 1        | 1         | 3      | 5      | 17   | 16    | 29    | 28      | 16         | 6        | 2         | 1         | 125    |
|                             | Motiharee . . .             | ...      | 3         | 1      | 1      | 8    | 17    | 15    | 17      | 12         | 5        | ...       | 2         | 75     |
|                             | Durbhunga . . .             | 1        | 2         | 2      | 2      | 6    | 9     | 14    | 18      | 16         | 9        | ...       | 1         | 80     |
|                             | Sewan . . .                 | 1        | 2         | 3      | ...    | 7    | 6     | 20    | 18      | 14         | 8        | 1         | 1         | 81     |
|                             | Buxar . . .                 | 1        | ...       | 3      | ...    | 4    | 10    | 20    | 10      | 14         | 9        | 1         | 1         | 73     |
|                             | Chupra . . .                | 1        | 1         | 1      | ...    | 6    | 6     | 19    | 13      | 13         | 8        | 1         | 1         | 70     |
|                             | Arrah . . .                 | 1        | 1         | 1      | ...    | 3    | 8     | 21    | 19      | 14         | 9        | ...       | 1         | 78     |
|                             | Patna (Bankipur). . .       | ...      | 1         | 2      | ...    | 4    | 9     | 20    | 19      | 20         | 10       | 1         | 1         | 87     |
|                             | Mozufferpore . . .          | 1        | 1         | 1      | 1      | 5    | 8     | 14    | 20      | 13         | 6        | ...       | 1         | 71     |
|                             | Barh . . .                  | ...      | ...       | 1      | 1      | 3    | 5     | 14    | 14      | 12         | 6        | 1         | 1         | 58     |
|                             | Sasseram . . .              | 1        | ...       | 4      | ...    | 2    | 9     | 18    | 13      | 19         | 6        | 1         | 1         | 74     |
|                             | Gya . . .                   | 1        | 2         | 3      | ...    | 2    | 10    | 21    | 15      | 18         | 9        | 1         | 1         | 83     |
|                             | Jamooee . . .               | 1        | 1         | 3      | ...    | 6    | 10    | 19    | 15      | 15         | 11       | 2         | ...       | 83     |
| BENGAL . . .                | Muddehpooora . . .          | 1        | 1         | 1      | 1      | 8    | 11    | 17    | 17      | 16         | 7        | ...       | 1         | 81     |
|                             | Monghyr . . .               | 1        | 2         | 2      | 1      | 5    | 10    | 22    | 17      | 19         | 9        | 2         | ...       | 90     |
|                             | Bhagalpur . . .             | 1        | 2         | 2      | ...    | 6    | 9     | 20    | 17      | 22         | 8        | 2         | ...       | 89     |
|                             | Godda . . .                 | ...      | 1         | 2      | ...    | 9    | 7     | 17    | 20      | 17         | 7        | 1         | ...       | 81     |
|                             | Palamow . . .               | ...      | 1         | 5      | ...    | 5    | 7     | 16    | 14      | 20         | 10       | 1         | ...       | 79     |
|                             | Hazaribagh . . .            | 1        | ...       | 6      | 1      | 10   | 13    | 27    | 24      | 22         | 14       | 2         | ...       | 120    |
|                             | Ranchee . . .               | 2        | ...       | 6      | 1      | 10   | 10    | 22    | 21      | 18         | 12       | 2         | ...       | 104    |
|                             | Lohardugga . . .            | 1        | ...       | 5      | 1      | 10   | 11    | 22    | 25      | 21         | 16       | 2         | 1         | 115    |
|                             | Nya Doomka . . .            | ...      | 1         | 4      | 1      | 14   | 12    | 27    | 25      | 23         | 11       | ...       | ...       | 118    |
|                             | Gobindpur . . .             | ...      | ...       | 4      | ...    | 4    | 11    | 27    | 27      | 23         | 12       | 1         | ...       | 109    |
|                             | Purulia . . .               | 1        | ...       | 6      | ...    | 8    | 11    | 24    | 25      | 23         | 18       | 2         | ...       | 118    |

TABLE XV.—NUMBER OF DAYS ON WHICH RAINFALL WAS MEASURED IN 1886.

| PROVINCES.    | STATIONS.               | January. | February | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|---------------|-------------------------|----------|----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| BENGAL—contd. | Sirguja . . .           | 1        | ...      | ...    | ...    | 3    | 16    | 21    | 18      | 14         | 13       | 2         | 2         | 90     |
|               | Jushpore . . .          | 2        | ...      | 4      | 1      | 10   | 16    | 25    | 16      | 20         | 13       | 2         | 2         | 111    |
|               | Gangpur . . .           | 1        | ...      | ...    | ...    | 3    | 10    | 23    | 19      | 17         | 14       | 2         | 2         | 91     |
|               | Chybassa . . .          | 1        | ...      | 4      | 2      | 8    | 11    | 24    | 23      | 17         | 11       | 3         | ...       | 104    |
|               | Barreepudda . . .       | 1        | ...      | 9      | 1      | 9    | 17    | 26    | 19      | 23         | 9        | 1         | ...       | 115    |
|               | Keonjhar . . .          | 2        | ...      | 4      | 1      | 9    | 14    | 16    | 16      | 9          | 4        | 2         | ...       | 77     |
|               | Jellasore . . .         | 2        | ...      | 7      | ...    | 7    | 15    | 17    | 12      | 13         | 9        | 1         | 1         | 84     |
|               | Balasore . . .          | 1        | ...      | 10     | 3      | 9    | 14    | 17    | 14      | 16         | 12       | 1         | ...       | 97     |
|               | Bhuddruck . . .         | 1        | ...      | 5      | ...    | 8    | 9     | 7     | 13      | 14         | 9        | 4         | ...       | 70     |
|               | Talcher . . .           | 1        | ...      | 8      | 2      | 7    | 17    | 24    | 22      | 20         | 12       | 2         | 4         | 119    |
|               | Angul . . .             | 1        | ...      | 14     | 2      | 8    | 12    | 15    | 11      | 10         | 14       | 4         | 3         | 94     |
|               | Dhenkanal . . .         | 1        | ...      | 8      | 1      | 5    | 19    | 21    | 23      | 18         | 21       | 6         | 3         | 126    |
|               | Bispara . . .           | ...      | ...      | 5      | ...    | 6    | 13    | 22    | 17      | 17         | 8        | 3         | 2         | 93     |
|               | Kunjabangar . . .       | 1        | ...      | 8      | 1      | 6    | 11    | 17    | 15      | 16         | 13       | 2         | ...       | 90     |
|               | Banki (Charchika) . . . | 2        | 1        | 8      | 1      | 10   | 16    | 22    | 22      | 22         | 20       | 5         | 3         | 132    |
|               | Cuttack . . .           | 2        | 1        | 6      | ...    | 9    | 17    | 22    | 24      | 19         | 20       | 6         | 4         | 130    |
|               | False Point . . .       | 1        | ...      | 7      | ...    | 8    | 17    | 23    | 21      | 21         | 13       | 6         | 2         | 119    |
|               | Pooree . . .            | 1        | ...      | 5      | ...    | 6    | 12    | 20    | 17      | 22         | 15       | 9         | 3         | 110    |
|               | Darjeeling . . .        | 1        | 4        | 6      | 7      | 16   | 26    | 28    | 27      | 25         | 12       | 4         | ...       | 156    |
|               | Mongpoo . . .           | ...      | 2        | 5      | 6      | 15   | 19    | 23    | 22      | 23         | 8        | 1         | 2         | 126    |
|               | Pedong . . .            | 3        | 4        | 7      | 12     | 17   | 23    | 31    | 30      | 27         | 13       | 6         | 5         | 178    |
|               | Baxa . . .              | 2        | 1        | 2      | 9      | 15   | 23    | 27    | 25      | 22         | 10       | 5         | 3         | 144    |
|               | Jalpaiguri . . .        | ...      | 2        | 4      | 3      | 16   | 17    | 20    | 22      | 18         | 5        | ...       | ...       | 107    |
|               | Cooch Behar . . .       | ...      | 1        | 5      | 6      | 18   | 17    | 18    | 23      | 21         | 8        | 1         | 2         | 120    |
|               | Kissengunge . . .       | 1        | 1        | 2      | 1      | 11   | 13    | 21    | 21      | 18         | 4        | ...       | 1         | 94     |
|               | Purneah . . .           | 1        | 2        | 2      | 1      | 9    | 14    | 21    | 27      | 20         | 6        | 1         | 1         | 105    |
|               | Rungpore . . .          | ...      | 1        | 3      | 3      | 15   | 16    | 20    | 21      | 18         | 8        | 1         | 1         | 107    |
|               | Dinagepore . . .        | ...      | 2        | 2      | 1      | 17   | 15    | 20    | 24      | 24         | 7        | 1         | ...       | 113    |
|               | Maldah . . .            | ...      | 2        | 2      | ...    | 9    | 13    | 17    | 16      | 21         | 6        | ...       | ...       | 86     |
|               | Bogra . . .             | ...      | 1        | 2      | 2      | 13   | 15    | 18    | 21      | 20         | 6        | ...       | ...       | 98     |
|               | Rampore Bauleah . . .   | ...      | ...      | 3      | 3      | 13   | 14    | 20    | 15      | 17         | 7        | ...       | ...       | 92     |
|               | Pubna . . .             | ...      | ...      | 4      | 3      | 15   | 16    | 21    | 22      | 22         | 9        | 1         | ...       | 113    |
|               | Soory . . .             | ...      | ...      | 4      | 3      | 8    | 12    | 23    | 25      | 24         | 11       | ...       | 1         | 111    |
|               | Bankoora . . .          | 1        | ...      | 4      | 1      | 9    | 10    | 26    | 25      | 22         | 13       | 2         | ...       | 113    |
|               | Burdwan . . .           | 1        | ...      | 6      | 1      | 11   | 15    | 27    | 21      | 20         | 7        | 1         | ...       | 110    |
|               | Hooghly . . .           | 1        | ...      | 6      | ...    | 7    | 11    | 23    | 19      | 19         | 5        | 1         | ...       | 92     |
|               | Howrah . . .            | 2        | ...      | 8      | ...    | 11   | 13    | 30    | 22      | 25         | 13       | ...       | ...       | 124    |
|               | Midnapore . . .         | 1        | ...      | 6      | ...    | 11   | 12    | 22    | 19      | 15         | 9        | 1         | ...       | 96     |
|               | Tumlook . . .           | 2        | ...      | 5      | ...    | 8    | 15    | 22    | 16      | 17         | 3        | ...       | 1         | 89     |

TABLE XV.—NUMBER OF DAYS ON WHICH RAINFALL WAS MEASURED IN 1886.

| PROVINCES.                 | STATIONS.                        | January.      | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|----------------------------|----------------------------------|---------------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| BENGAL—<br><i>concl'd.</i> | Berhampore . .                   | ...           | 2         | 4      | 3      | 12   | 12    | 23    | 24      | 21         | 11       | 1         | ...       | 113    |
|                            | Kishnaghur . .                   | ...           | ...       | 6      | 2      | 12   | 12    | 20    | 20      | 15         | 7        | 1         | ...       | 95     |
|                            | Furreedpore . .                  | ...           | ...       | 5      | 3      | 15   | 15    | 19    | 22      | 16         | 6        | 1         | ...       | 102    |
|                            | Jessore . .                      | 2             | ...       | 5      | 2      | 15   | 14    | 22    | 17      | 20         | 9        | 1         | ...       | 107    |
|                            | Busseerhat . .                   | 1             | ...       | 4      | 2      | 12   | 15    | 21    | 18      | 14         | 7        | 1         | 1         | 96     |
|                            | Khoolna . .                      | 1             | ...       | 6      | 2      | 13   | 15    | 23    | 14      | 17         | 7        | ...       | ...       | 98     |
|                            | Burrisal . .                     | 2             | ...       | 8      | 1      | 16   | 20    | 28    | 25      | 25         | 6        | ...       | ...       | 131    |
|                            | Calcutta (Chowringhee).          | 2             | ...       | 8      | ...    | 13   | 14    | 26    | 27      | 21         | 12       | ...       | ...       | 123    |
|                            | Calcutta (St. Xavier's College). | Not received. |           |        |        |      |       |       |         |            |          |           |           |        |
|                            | Alipore (Jail) . .               | 1             | ...       | 6      | ...    | 6    | 16    | 25    | 18      | 20         | 8        | ...       | ...       | 100    |
|                            | Alipore (Obsy.) . .              | 3             | ...       | 8      | ...    | 13   | 16    | 29    | 23      | 24         | 12       | ...       | ...       | 128    |
|                            | Saugor Island . .                | 1             | ...       | 5      | ...    | 7    | 14    | 21    | 15      | 21         | 15       | ...       | 1         | 100    |
|                            | Mymensingh . .                   | ...           | ...       | 6      | 8      | 18   | 18    | 23    | 29      | 27         | 6        | 1         | ...       | 136    |
|                            | Kishorganj . .                   | ...           | ...       | 7      | 6      | 10   | 12    | 20    | 22      | 17         | 7        | 1         | ...       | 102    |
|                            | Atia (Tangail) . .               | ...           | ...       | 3      | 5      | 11   | 9     | 14    | 20      | 13         | 6        | ...       | ...       | 81     |
|                            | Dacca . .                        | ...           | ...       | 5      | 8      | 13   | 17    | 23    | 25      | 14         | 5        | 1         | 1         | 112    |
|                            | Comillah . .                     | 2             | ...       | 9      | 9      | 14   | 22    | 24    | 26      | 21         | 6        | ...       | ...       | 133    |
|                            | Agartalla . .                    | ...           | ...       | 4      | 4      | 16   | 12    | 20    | 20      | 16         | 3        | ...       | ...       | 95     |
|                            | Noakholly . .                    | ...           | ...       | 10     | 3      | 15   | 25    | 26    | 26      | 25         | 8        | ...       | 1         | 139    |
|                            | Demagiri . .                     | ...           | ...       | 9      | 8      | 17   | 23    | 29    | 29      | 24         | 10       | ...       | ...       | 149    |
|                            | Rangamatia Hill . .              | ...           | ...       | 9      | 7      | 16   | 25    | 30    | 29      | 18         | 11       | 2         | ...       | 147    |
|                            | Chittagong . .                   | ...           | ...       | 7      | 3      | 17   | 22    | 22    | 29      | 15         | 9        | 2         | 1         | 127    |
|                            | Cox's Bazar . .                  | ...           | ...       | 6      | 3      | 12   | 26    | 24    | 25      | 15         | 8        | 4         | 1         | 124    |
|                            | Sylhet . .                       | ...           | 2         | 8      | 14     | 14   | 24    | 27    | 26      | 19         | 6        | ...       | 1         | 141    |
|                            | Silchar . .                      | 2             | 4         | 11     | 13     | 16   | 21    | 26    | 27      | 25         | 4        | 1         | 2         | 152    |
|                            | Cherra Poonjee . .               | ...           | 3         | 11     | 14     | 18   | 24    | 29    | 30      | 29         | 7        | ...       | 1         | 166    |
|                            | Tura . .                         | ...           | 2         | 1      | 8      | 17   | 21    | 27    | 25      | 23         | 7        | ...       | 1         | 132    |
|                            | Shillong . .                     | ...           | ...       | 3      | 5      | 21   | 22    | 22    | 25      | 28         | 10       | 1         | 2         | 139    |
|                            | Dhubri . .                       | 1             | 1         | 2      | 6      | 17   | 17    | 20    | 20      | 21         | 9        | ...       | 2         | 116    |
|                            | Goalpara . .                     | ...           | ...       | 4      | 8      | 17   | 14    | 19    | 18      | 14         | 2        | ...       | 3         | 99     |
| ASSAM . .                  | Kulsi . .                        | 1             | 1         | 4      | 8      | 14   | 21    | 24    | 26      | 19         | 5        | 1         | 3         | 127    |
|                            | Gauhati . .                      | 1             | 1         | 7      | 9      | 17   | 18    | 19    | 20      | 19         | 8        | ...       | 1         | 120    |
|                            | Nowgong . .                      | ...           | 1         | 8      | 11     | 15   | 18    | 25    | 26      | 24         | 10       | 2         | 2         | 142    |
|                            | Tezpur . .                       | ...           | 2         | 5      | 12     | 14   | 15    | 20    | 11      | 19         | 7        | 1         | 1         | 107    |
|                            | Chardner . .                     | 4             | 2         | 4      | 11     | 14   | 22    | 22    | 23      | 22         | 9        | 1         | 3         | 137    |
|                            | Sibsagar . .                     | 5             | 2         | 11     | 16     | 18   | 19    | 26    | 19      | 25         | 11       | 2         | 3         | 157    |
|                            | Dibrugarh . .                    | 7             | 7         | 16     | 14     | 15   | 22    | 25    | 20      | 20         | 10       | ...       | 5         | 161    |
|                            | Kohima . .                       | 2             | 4         | 11     | 15     | 20   | 22    | 30    | 27      | 26         | 15       | ...       | 3         | 175    |

TABLE XV.—NUMBER OF DAYS ON WHICH RAINFALL WAS MEASURED IN 1886.

| PROVINCES.        | STATIONS.                 | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|-------------------|---------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| CENTRAL PROVINCES | Saugor . . .              | 2        | 2         | 2      | ...    | 3    | 18    | 25    | 19      | 6          | 17       | 1         | 2         | 97     |
|                   | Damoh . . .               | ...      | 2         | 1      | ...    | 4    | 8     | 22    | 21      | 3          | 14       | ...       | 1         | 76     |
|                   | Jubbulpore . . .          | ...      | 1         | 4      | ...    | 2    | 15    | 24    | 14      | 8          | 15       | ...       | 2         | 85     |
|                   | Narsinghpur . . .         | 1        | 1         | 2      | ...    | 1    | 15    | 24    | 13      | 2          | 10       | ...       | 2         | 71     |
|                   | Hoshangabad . . .         | 1        | ...       | ...    | ...    | 2    | 15    | 27    | 19      | 4          | 16       | ...       | 2         | 86     |
|                   | Khandwa . . .             | ...      | ...       | ...    | ...    | 3    | 20    | 19    | 15      | 5          | 14       | ...       | 2         | 78     |
|                   | Badnur (Betul) . . .      | ...      | ...       | 1      | 1      | 2    | 18    | 25    | 20      | 4          | 4        | ...       | 1         | 76     |
|                   | Pachmarhi . . .           | 1        | ...       | 3      | ...    | 3    | 14    | 30    | 23      | 8          | 16       | ...       | 2         | 100    |
|                   | Chhindwara . . .          | ...      | ...       | 2      | ...    | 1    | 21    | 17    | 9       | 3          | 14       | 1         | 2         | 70     |
|                   | Seoni . . .               | 1        | 1         | 3      | ...    | 4    | 21    | 22    | 20      | 8          | 11       | 1         | 2         | 94     |
|                   | Balaghat . . .            | ...      | ...       | 3      | ...    | 3    | 15    | 23    | 20      | 9          | 7        | 3         | 1         | 84     |
|                   | Mandla . . .              | 1        | ...       | 4      | ...    | 5    | 14    | 25    | 23      | 6          | 16       | 1         | 2         | 97     |
|                   | Bilaspur . . .            | 2        | ...       | 4      | ...    | 2    | 13    | 19    | 20      | 12         | 8        | 2         | 1         | 83     |
|                   | Saragaon . . .            | ...      | ...       | 2      | ...    | 2    | 8     | 16    | 7       | 8          | 6        | 2         | 1         | 52     |
|                   | Sarangarh . . .           | 1        | ...       | 4      | ...    | 4    | 12    | 22    | 16      | 11         | 8        | 2         | 1         | 81     |
|                   | Raigarh . . .             | 2        | ...       | 5      | ...    | 2    | 16    | 26    | 20      | 6          | 10       | 2         | 1         | 90     |
|                   | Sambalpur . . .           | 2        | ...       | 6      | ...    | 7    | 17    | 28    | 24      | 21         | 10       | 4         | 2         | 121    |
|                   | Raipur . . .              | 1        | 1         | 5      | ...    | 9    | 18    | 26    | 17      | 12         | 11       | 3         | 1         | 104    |
|                   | Damtari . . .             | ...      | ...       | 3      | ...    | 3    | 8     | 16    | 7       | 8          | 6        | 1         | ...       | 52     |
|                   | Bhandara . . .            | 1        | ...       | 1      | ...    | 5    | 18    | 26    | 18      | 8          | 10       | ...       | 2         | 89     |
|                   | Nagpur . . .              | 1        | 1         | 3      | ...    | 3    | 21    | 23    | 20      | 10         | 19       | 1         | 2         | 104    |
|                   | Arvi . . .                | ...      | ...       | ...    | ...    | 5    | 12    | 18    | 12      | 2          | 10       | ...       | 1         | 60     |
|                   | Wardha . . .              | ...      | ...       | ...    | ...    | 6    | 17    | 17    | 11      | 5          | 10       | 1         | 1         | 68     |
|                   | Brahmapuri . . .          | ...      | ...       | 3      | ...    | 3    | 18    | 22    | 14      | 5          | 9        | ...       | ...       | 74     |
|                   | Chanda . . .              | ...      | ...       | 1      | 2      | 7    | 21    | 21    | 20      | 8          | 12       | ...       | 1         | 93     |
|                   | Sironcha . . .            | ...      | ...       | 2      | ...    | 2    | 19    | 23    | 17      | 12         | 18       | ...       | 3         | 96     |
|                   | Bastar (Jagdalpore) . . . | ...      | ...       | 2      | 3      | 9    | 15    | 26    | 22      | 14         | 16       | 4         | 2         | 113    |
|                   | Makhla . . .              | ...      | ...       | ...    | ...    | 1    | 24    | 29    | 26      | 9          | 15       | ...       | 3         | 107    |
|                   | Chikalda . . .            | 1        | ...       | 1      | ...    | 5    | 19    | 29    | 23      | 8          | 22       | 1         | 4         | 113    |
|                   | Ellichpur . . .           | ...      | ...       | ...    | ...    | ...  | 20    | 19    | 12      | 3          | 14       | ...       | 1         | 69     |
|                   | Amraoti . . .             | ...      | ...       | ...    | ...    | 1    | 15    | 19    | 14      | 6          | 13       | ...       | 2         | 70     |
| BERARS            | Akola . . .               | ...      | ...       | ...    | ...    | 2    | 16    | 18    | 12      | 4          | 14       | ...       | 3         | 69     |
|                   | Buldana . . .             | ...      | ...       | ...    | ...    | 2    | 26    | 17    | 13      | 4          | 15       | ...       | 4         | 81     |
|                   | Basim . . .               | 1        | ...       | ...    | ...    | 4    | 16    | 22    | 16      | 7          | 17       | ...       | 4         | 87     |
|                   | Yeotmal . . .             | ...      | ...       | ...    | 1      | 8    | 20    | 20    | 15      | 7          | 17       | ...       | 2         | 90     |
|                   | Wun . . .                 | ...      | ...       | ...    | ...    | ...  | 13    | 17    | 10      | 4          | 7        | 2         | ...       | 53     |
|                   | Aurangabad (Cant.) . . .  | ...      | ...       | ...    | ...    | 4    | 17    | 20    | 19      | 7          | 12       | 1         | 4         | 84     |
| HYDERABAD         | Aurangabad . . .          | ...      | ...       | ...    | ...    | 3    | 15    | 16    | 16      | 6          | 8        | ...       | 3         | 67     |
|                   | Jalna . . .               | ...      | ...       | ...    | ...    | 5    | 15    | 15    | 16      | 8          | 10       | ...       | 3         | 72     |

TABLE XV.—NUMBER OF DAYS ON WHICH RAINFALL WAS MEASURED IN 1886.

| PROVINCE                    | STATIONS.                           | January. | February | March. | April | May. | June. | July. | August. | September. | October | November. | December. | Total. |
|-----------------------------|-------------------------------------|----------|----------|--------|-------|------|-------|-------|---------|------------|---------|-----------|-----------|--------|
| HYDERABAD—<br><i>contd.</i> | Hingoli . .                         | ...      | ...      | ...    | 1     | 5    | 20    | 21    | 18      | 8          | 18      | ...       | 3         | 94     |
|                             | Parbhani . .                        | ...      | ...      | ...    | ...   | 5    | 16    | 16    | 18      | 7          | 18      | 2         | 1         | 83     |
|                             | Nandair . .                         | ...      | ...      | 1      | 2     | 6    | 12    | 18    | 13      | 5          | 9       | ...       | ...       | 66     |
|                             | Bheer . .                           | ...      | ...      | ...    | ...   | 1    | 18    | 10    | 11      | 6          | 22      | 2         | 4         | 74     |
|                             | Mominabad . .                       | ...      | ...      | ...    | ...   | 3    | 15    | 23    | 16      | 5          | 16      | 2         | 4         | 84     |
|                             | Indur . .                           | ...      | ...      | ...    | 2     | 6    | 15    | 24    | 17      | 5          | 12      | 1         | ...       | 82     |
|                             | Yelgandal . .                       | ...      | ...      | 1      | ...   | 3    | 13    | 19    | 17      | 7          | 17      | ...       | 2         | 79     |
|                             | Medak . .                           | ...      | ...      | ...    | ...   | 5    | 15    | 29    | 16      | 11         | 12      | 1         | 1         | 90     |
|                             | Ibrahimpatan . .                    | 3        | ...      | 1      | ...   | 1    | 12    | 22    | 14      | 11         | 9       | 1         | 1         | 75     |
|                             | Naldurg . .                         | ...      | ...      | ...    | ...   | 4    | 14    | 17    | 19      | 9          | 16      | 3         | 2         | 84     |
|                             | Bidar . .                           | ...      | ...      | ...    | 1     | 5    | 15    | 21    | 19      | 9          | 15      | 1         | 1         | 87     |
|                             | Gulbarga . .                        | ...      | ...      | ...    | 1     | 3    | 14    | 17    | 13      | 7          | 10      | ...       | 1         | 66     |
|                             | Bolarum . .                         | ...      | ...      | 1      | 1     | 4    | 10    | 24    | 20      | 5          | 11      | 2         | 3         | 81     |
|                             | Secunderabad . .                    | 1        | ...      | 2      | 2     | 4    | 19    | 24    | 17      | 7          | 15      | 2         | 2         | 95     |
|                             | Hyderabad (Resi-<br>dency).         | ...      | ...      | 1      | 1     | 5    | 13    | 23    | 14      | 4          | 14      | 2         | 1         | 78     |
|                             | Hyderabad (Engin-<br>eer's Office). | ...      | ...      | ...    | ...   | 3    | 8     | 20    | 7       | 2          | 13      | 2         | ...       | 55     |
|                             | Nalgonda . .                        | ...      | ...      | 2      | ...   | 4    | 16    | 17    | 19      | 7          | 16      | 2         | 2         | 85     |
|                             | Khamam . .                          | ...      | ...      | 7      | 1     | 2    | 12    | 16    | 12      | 7          | 16      | 1         | 3         | 77     |
|                             | Sirpur . .                          | ...      | ...      | 1      | 2     | 2    | 18    | 14    | 11      | 2          | 6       | 1         | ...       | 57     |
|                             | Nagad Karnul . .                    | ...      | ...      | ...    | 1     | 5    | 19    | 27    | 15      | 11         | 15      | 3         | 1         | 97     |
|                             | Raichur . .                         | ...      | ...      | ...    | 1     | 6    | 8     | 14    | 12      | 7          | 5       | 2         | 1         | 56     |
|                             | Raichur (Cant). .                   | ...      | ...      | ...    | ...   | 8    | 10    | 19    | 16      | 11         | 8       | 2         | 1         | 75     |
|                             | Lingsugur (W. Rai-<br>chore).       | ...      | ...      | ...    | 1     | 6    | 13    | 8     | 9       | 6          | 8       | ...       | 1         | 52     |
|                             | Dhulia . .                          | ...      | ...      | ...    | ...   | 1    | 19    | 15    | 11      | 3          | 14      | ...       | 3         | 66     |
| BOMBAY                      | Nasik . .                           | ...      | ...      | ...    | ...   | 4    | 21    | 26    | 22      | 13         | 17      | 2         | 1         | 106    |
|                             | Igatpuri . .                        | ...      | ...      | ...    | ...   | 3    | 27    | 31    | 31      | 28         | 23      | 2         | ...       | 145    |
|                             | Malegaon . .                        | ...      | ...      | ...    | 1     | 3    | 13    | 14    | 9       | 5          | 11      | ...       | 1         | 57     |
|                             | Ahmednagar . .                      | ...      | ...      | ...    | ...   | 5    | 14    | 17    | 18      | 14         | 18      | 3         | 3         | 92     |
|                             | Poona . .                           | ...      | ...      | ...    | 2     | 4    | 14    | 22    | 11      | 7          | 14      | 3         | 2         | 79     |
|                             | Lanauli . .                         | ...      | ...      | ...    | ...   | 6    | 24    | 31    | 28      | 18         | 16      | 2         | 1         | 126    |
|                             | Satara . .                          | ...      | ...      | ...    | 2     | 12   | 19    | 25    | 22      | 9          | 19      | 4         | 3         | 115    |
|                             | Mohaleswar . .                      | ...      | ...      | ...    | 1     | 12   | 26    | 31    | 31      | 21         | 20      | 4         | 3         | 149    |
|                             | Sholapur . .                        | ...      | ...      | ...    | 1     | 7    | 11    | 16    | 16      | 7          | 20      | 1         | 3         | 82     |
|                             | Kolhapur . .                        | ...      | ...      | ...    | 3     | 13   | 17    | 23    | 16      | 6          | 12      | 2         | 3         | 95     |
|                             | Baura . .                           | ...      | ...      | ...    | 1     | 4    | 27    | 31    | 31      | 22         | 19      | 2         | 1         | 138    |
|                             | Belgaum . .                         | ...      | ...      | 1      | 9     | 17   | 21    | 23    | 21      | 12         | 17      | 2         | 1         | 124    |
|                             | Gokak . .                           | ...      | ...      | ...    | 4     | 15   | 10    | 21    | 19      | 11         | 9       | 1         | 4         | 94     |
|                             | Dharwar . .                         | ...      | ...      | ...    | 3     | 12   | 18    | 20    | 14      | 12         | 14      | 2         | 2         | 97     |
|                             | Hubli . .                           | ...      | ...      | ...    | 3     | 13   | 19    | 19    | 12      | 12         | 19      | 2         | 3         | 102    |

TABLE XV.—NUMBER OF DAYS ON WHICH RAINFALL WAS MEASURED IN 1886.

| PROVINCES.    | STATIONS.                          | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total |
|---------------|------------------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|-------|
| BOMBAY—contd. | Nargund . . .                      | ...      | ...       | ...    | 2      | 6    | 6     | 6     | 11      | 6          | 7        | 1         | 2         | 47    |
|               | Mandargi . . .                     | ...      | ...       | ...    | 2      | 8    | 7     | 5     | 7       | 7          | 5        | 2         | 2         | 45    |
|               | Kalghatgi . . .                    | ...      | ...       | ...    | 4      | 13   | 13    | 22    | 15      | 9          | 10       | 2         | ...       | 88    |
|               | Bijapur . . .                      | ...      | ...       | ...    | 4      | 7    | 20    | 17    | 20      | 17         | 13       | 2         | 3         | 103   |
|               | Honawar . . .                      | ...      | ...       | ...    | ...    | 7    | 25    | 29    | 26      | 13         | 15       | 2         | ...       | 117   |
|               | Karwar . . .                       | ...      | ...       | ...    | ...    | 11   | 28    | 31    | 26      | 16         | 19       | 2         | ...       | 133   |
|               | Goa . . .                          | ...      | ...       | ...    | ...    | 9    | 27    | 29    | 18      | 5          | 13       | 4         | ...       | 105   |
|               | Vingurla . . .                     | ...      | ...       | ...    | ...    | 10   | 28    | 31    | 29      | 15         | 16       | 2         | 1         | 132   |
|               | Ratnagiri . . .                    | ...      | ...       | ...    | 2      | 11   | 25    | 31    | 29      | 19         | 11       | 1         | 1         | 130   |
|               | Colaba (Obsy.) . . .               | ...      | ...       | ...    | 1      | 6    | 21    | 29    | 25      | 19         | 7        | 2         | ...       | 110   |
|               | Byculla (J. J. Hos-<br>pital). . . | ...      | ...       | ...    | ...    | 1    | 18    | 25    | 21      | 14         | 7        | 2         | ...       | 88    |
|               | Tanna . . .                        | ...      | ...       | ...    | ...    | 6    | 23    | 31    | 30      | 16         | 13       | 1         | ...       | 120   |
|               | Matheran . . .                     | ...      | ...       | ...    | ...    | 5    | 25    | 31    | 31      | 20         | 16       | 2         | ...       | 130   |
|               | Surat . . .                        | ...      | ...       | ...    | ...    | 1    | 15    | 26    | 16      | 5          | 9        | ...       | ...       | 72    |
|               | Broach . . .                       | ...      | ...       | ...    | ...    | 1    | 14    | 22    | 14      | 4          | 11       | ...       | ...       | 66    |
|               | Kaira . . .                        | ...      | ...       | 1      | ...    | 1    | 13    | 30    | 21      | 6          | 6        | ...       | ...       | 78    |
|               | Bariya . . .                       | ...      | ...       | ...    | ...    | 1    | 14    | 31    | 27      | 4          | 14       | ...       | 1         | 92    |
|               | Godhra . . .                       | ...      | ...       | ...    | ...    | 2    | 13    | 28    | 25      | 5          | 12       | ...       | ...       | 85    |
|               | Dohad . . .                        | ...      | ...       | ...    | ...    | 3    | 17    | 31    | 26      | 4          | 13       | ...       | 1         | 95    |
|               | Ahmedabad . . .                    | ...      | ...       | ...    | ...    | 2    | 9     | 27    | 16      | 3          | 3        | ...       | ...       | 60    |
|               | Edar . . .                         | ...      | ...       | ...    | ...    | 1    | 10    | 26    | 13      | 2          | 3        | ...       | ...       | 55    |
|               | Deesa . . .                        | ...      | ...       | ...    | ...    | 1    | 9     | 22    | 14      | 2          | 1        | ...       | ...       | 49    |
|               | Wadhwan . . .                      | ...      | ...       | ...    | ...    | 2    | 10    | 23    | 16      | 2          | 3        | ...       | ...       | 56    |
|               | Palanpur . . .                     | ...      | ...       | 1      | ...    | 1    | 9     | 26    | 17      | 4          | 3        | ...       | ...       | 61    |
|               | Rajkot . . .                       | ...      | ...       | ...    | ...    | 2    | 11    | 24    | 9       | 1          | 3        | 1         | ...       | 51    |
|               | Songad . . .                       | ...      | ...       | ...    | ...    | 2    | 11    | 26    | 13      | 6          | 5        | ...       | ...       | 63    |
|               | Manakwara . . .                    | 1        | ...       | ...    | ...    | 2    | 12    | 31    | 23      | 6          | 8        | 2         | ...       | 85    |
|               | Bhuj . . .                         | 1        | ...       | ...    | ...    | ...  | 5     | 18    | 6       | 1          | ...      | 1         | ...       | 32    |
|               | Rhahpur . . .                      | ...      | ...       | ...    | ...    | 1    | 3     | 11    | 4       | 2          | 1        | ...       | ...       | 22    |
|               | Nagor . . .                        | 1        | ...       | ...    | ...    | ...  | 5     | 9     | 5       | ...        | ...      | ...       | ...       | 20    |
|               | Kurrachee . . .                    | 1        | 1         | 2      | ...    | ...  | ...   | 12    | 3       | 2          | 1        | 1         | ...       | 23    |
|               | Sehwan . . .                       | 5        | ...       | 1      | ...    | 1    | ...   | 3     | 1       | ...        | ...      | 1         | ...       | 32    |
|               | Tatta . . .                        | 1        | ...       | 1      | ...    | ...  | ...   | 9     | 3       | ...        | ...      | 1         | ...       | 15    |
|               | Hyderabad . . .                    | ...      | ...       | 1      | ...    | ...  | ...   | 6     | 4       | ...        | ...      | 2         | ...       | 13    |
|               | Umarkot . . .                      | ...      | ...       | 2      | ...    | ...  | ...   | 9     | 4       | ...        | ...      | ...       | ...       | 16    |
|               | Shikarpur . . .                    | 3        | ...       | 3      | ...    | 1    | ...   | 3     | ...     | ...        | ...      | 1         | ...       | 11    |
|               | Rohri . . .                        | 4        | 1         | 3      | ...    | ...  | 1     | 3     | ...     | ...        | ...      | 3         | ...       | 15    |
|               | Jacobabad . . .                    | 5        | 1         | 3      | ...    | ...  | ...   | 4     | ...     | ...        | ...      | 1         | ...       | 14    |

TABLE XV.—NUMBER OF DAYS ON WHICH RAINFALL WAS MEASURED IN 1886.

| PROVINCES. | STATIONS.                     | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December | Total. |
|------------|-------------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|----------|--------|
| MADRAS.    | Ganjam . . .                  | ...      | ...       | ...    | 1      | 3    | 6     | 12    | 16      | 12         | 19       | 5         | 3        | 77     |
|            | Gopalpur . . .                | ...      | ...       | 6      | ...    | 7    | 9     | 15    | 14      | 9          | 19       | 11        | 4        | 94     |
|            | Aska . . . .                  | 1        | ...       | 8      | ...    | 8    | 11    | 21    | 17      | 22         | 21       | 10        | 2        | 121    |
|            | Aska (Minchin Bro. Bungalow). | 1        | ...       | 7      | ...    | 10   | 13    | 22    | 23      | 22         | 22       | 10        | 3        | 133    |
|            | Aska (Minchin Bro. Office).   | 1        | ...       | 7      | ...    | 10   | 13    | 22    | 23      | 22         | 22       | 11        | 3        | 134    |
|            | Vizianagram . .               | ...      | ...       | 2      | ...    | 6    | 7     | 7     | 16      | 9          | 13       | 5         | 5        | 70     |
|            | Bimlipatam . .                | ...      | ...       | 1      | ...    | 7    | 5     | 9     | 11      | 9          | 19       | 7         | 5        | 73     |
|            | Rayaghadda . .                | 1        | ...       | 6      | ...    | 7    | 8     | 17    | 21      | 14         | 11       | 4         | 2        | 91     |
|            | Nourangapur . .               | ?        | ?         | ?      | ?      | 5+?  | 12    | 23    | 23      | 13         | 12       | 2         | ...      | ?      |
|            | Gunipur . . .                 | ?        | ?         | ?      | 2      | 5    | 15    | 17    | 19      | 14         | 18       | 6         | 4        | ?      |
|            | Jeypur . . .                  | ?        | ?         | ?      | 2+?    | 7    | 16    | 19    | 23      | 13         | 14       | 2         | 1        | ?      |
|            | Koraput . . .                 | ...      | ...       | 1      | 2      | 3    | 11    | 19    | 18      | 15         | 13       | 1         | 2        | 85     |
|            | Malkanagiri . .               | ?        | ?         | ?      | ?      | 7    | 12    | 22    | 18      | 10         | 6        | 1         | 1        | ?      |
|            | Narsapatnam . .               | ...      | ...       | 3      | ...    | 10   | 9     | 16    | 12      | 11         | 19       | 5+?       | 3        | 88+?   |
|            | Vizagapatam . .               | ...      | ...       | 1      | ...    | 7    | 7     | 12    | 16      | 10         | 23       | 8         | 4        | 88     |
|            | Cocanada . . .                | ...      | ...       | 3      | ...    | 6    | 12    | 15    | 11      | 5          | 25       | 9         | 4        | 90     |
|            | Rajahmundry . .               | ...      | ...       | 1      | ...    | 6    | 11    | 18    | 13      | 4          | 15       | 3         | 2        | 73     |
|            | Ellore . . .                  | ...      | ...       | 1      | ...    | 5    | 10    | 13    | 16      | 5          | 13       | 4         | 2        | 69     |
|            | Masulipatam . .               | ...      | ...       | 3      | ...    | 6    | 12    | 13    | 14      | 12         | 22       | 3         | 4        | 89     |
|            | Guntur . . .                  | ...      | ...       | 1      | ...    | 8    | 7     | 12    | 14      | 6          | 13       | 2         | 6        | 69     |
|            | Vinukonda . . .               | ...      | ...       | 1      | ...    | 5    | 4     | 7     | 14      | 8          | 19       | 3         | 3        | 64     |
|            | Ongole . . .                  | ...      | ...       | 1      | ...    | 6    | 9     | 9     | 11      | 7          | 17       | 5         | 3        | 68     |
|            | Nellore . . .                 | ...      | ...       | ...    | ...    | 5    | 2     | 8     | 4       | 4          | 13       | 7         | 5        | 48     |
|            | Udayagiri . . .               | ...      | ...       | ...    | ...    | 5    | ...   | 4     | 3       | 3          | 12       | 6         | 3        | 36     |
|            | Tada . . .                    | ...      | ...       | ...    | ...    | 8    | 2     | ...   | ...     | ...        | 11       | 10        | 5        | 36     |
|            | Kurnool . . .                 | ...      | ...       | 1      | 1      | 8    | 14    | 23    | 14      | 9          | 16       | 4         | 2        | 92     |
|            | Cumbum . . .                  | ...      | ...       | 1      | ...    | 2    | 7     | 9     | 9       | 3          | 11       | 4         | 2        | 48     |
|            | Nandyal . . .                 | ...      | ...       | ...    | ...    | 3    | 11    | 15    | 9       | 6          | 9        | ...       | 2        | 55     |
|            | Bellary . . .                 | ...      | ...       | ...    | 2      | 5    | 6     | 12    | 7       | 12         | 8        | 3         | 3        | 58     |
|            | Gooty . . .                   | ...      | ...       | ...    | 1      | 7    | 7     | 16    | 11      | 8          | 8        | 2         | 2        | 62     |
|            | Adoni . . .                   | ...      | ...       | ...    | 1      | 7    | 16    | 15    | 12      | 10         | 9        | 2         | 2        | 74     |
|            | Dharmavaram . .               | ...      | ...       | ...    | ...    | 1    | 5     | 5     | 5       | 3          | 2        | 1         | 1        | 23     |
|            | Cuddapah . . .                | ...      | ...       | ...    | ...    | 6    | 2     | 8     | 7       | 5          | 8        | 3         | 1        | 40     |
|            | Madnapalle . . .              | ...      | ...       | ...    | ...    | 6    | 4     | 10    | 6       | 9          | 9        | 4         | 2        | 50     |
|            | Chittoor . . .                | ...      | ...       | 1      | ...    | 8    | 4     | 10    | 10      | 9          | 11       | 8         | 2        | 63     |
|            | Vellore . . .                 | ...      | ...       | 2      | ...    | 4    | 10    | 7     | 7       | 9          | 8        | 5         | 4        | 56     |
|            | Chandragiri . .               | ...      | ...       | 1      | ...    | 3    | 2     | 6     | 4       | 2          | 11       | 4         | 1        | 34     |
|            | Arcot . . .                   | 1        | ...       | ...    | ...    | 6    | 10    | 9     | 13      | 12         | 10       | 4         | 3        | 68     |
|            | Madras . . .                  | 1        | ...       | 4      | ...    | 9    | 17    | 14    | 15      | 7          | 20       | 13        | 9        | 109    |

TABLE XV.—NUMBER OF DAYS ON WHICH RAINFALL WAS MEASURED IN 1886.

| PROVINCES.    | STATIONS.                                 | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|---------------|-------------------------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| MADRAS—contd. | Palmaner . . .                            | ...      | ...       | 1      | ...    | 5    | 8     | 11    | 7       | 12         | 11       | 6         | 6         | 67     |
|               | Saidapet . . .                            | 2        | ...       | 1      | ...    | 8    | 10    | 10    | 5       | 2          | 14       | 10        | 6         | 68     |
|               | Chingleput . . .                          | 1        | ...       | 1      | ...    | 5    | 9     | 7     | 7       | 6          | 11       | 9         | 4         | 60     |
|               | Conjeeveram . . .                         | ...      | ...       | 1      | ...    | 5    | 8     | 5     | 7       | 9          | 11       | 8         | 3         | 57     |
|               | Tindivanam . . .                          | ...      | ...       | 2      | ...    | 4    | 6     | 7     | 12      | 8          | 6        | 10        | 4         | 59     |
|               | Cuddalore . . .                           | 4        | ...       | 1      | ...    | 6    | 9     | 9     | 12      | 7          | 15       | 11        | 9         | 83     |
|               | Vriddhachalam . . .                       | 2        | ...       | 3      | ...    | 7    | 5     | 8     | 11      | 9          | 8        | 6         | 6         | 65     |
|               | Udayarpalaiyam<br>(Jayankondacholapuram). | 3        | ...       | 1      | ...    | 7    | 5     | 5     | 8       | 7          | 6        | 7         | 5         | 54     |
|               | Salem . . .                               | ...      | ...       | 2      | 2      | 18   | 11    | 13    | 17      | 19         | 17       | 7         | 4         | 110    |
|               | Atur . . .                                | ...      | ...       | ...    | ...    | 6    | 2     | 7     | 8       | 6          | 6        | 2         | ...       | 37     |
|               | Shevaroy Hills . . .                      | 1        | ...       | 2      | ...    | 13   | 13    | 19    | 21      | 18         | 17       | 9         | 6         | 119    |
|               | Kumbakonam . . .                          | 2        | ...       | ...    | ...    | 5    | 6     | 10    | 12      | 7          | 5        | 8         | 3         | 58     |
|               | Tirupatur . . .                           | ...      | ...       | 2      | 1      | 7    | 7     | 3     | 13      | 10         | 4        | 3         | 1         | 51     |
|               | Hosur . . .                               | ...      | ...       | 1      | 1      | 10   | 7     | 12    | 8       | 12         | 7        | 6         | 1         | 65     |
|               | Tranquebar . . .                          | 4        | 1         | ...    | ...    | 3    | 6     | 8     | 8       | 6          | 8        | 9         | 5         | 58     |
|               | Negapatam . . .                           | 4        | 2         | 1      | ...    | 4    | 7     | 8     | 13      | 11         | 14       | 11        | 8         | 83     |
|               | Tanjore . . .                             | 4        | 1         | ...    | 1      | 11   | 6     | 11    | 8       | 10         | 9        | 7         | 5         | 73     |
|               | Putukota . . .                            | 4        | 1         | ...    | ...    | 7    | 8     | 7     | 5       | 9          | 10       | 7         | 5         | 63     |
|               | Trichinopoly . . .                        | 2        | ...       | 1      | ...    | 6    | 2     | 3     | 5       | 6          | 8        | 10        | 4         | 47     |
|               | Karur . . .                               | ...      | ...       | 1      | ...    | 9    | 2     | 3     | 8       | 11         | 5        | 3         | 3         | 45     |
|               | Coimbatore . . .                          | 1        | ...       | ...    | 2      | 15   | 7     | 14    | 16      | 16         | 8        | 9         | 2         | 90     |
|               | Kollegal . . .                            | ...      | ...       | 2      | 2      | 13   | 4     | 9     | 10      | 13         | 5        | 4         | ...       | 62     |
|               | Dindigul . . .                            | 2        | ...       | 1      | 1      | 9    | 6     | 10    | 6       | 13         | 13       | 5         | 5         | 71     |
|               | Madura (Obsy.) . . .                      | 2        | 1         | 1      | ...    | 11   | 8     | 11    | 15      | 12         | 13       | 9         | 5         | 88     |
|               | Madura (Cutchery) . . .                   | 2        | ...       | 1      | 1      | 6    | 7     | 8     | 10      | 9          | 11       | 6         | 2         | 63     |
|               | Pasumali . . .                            | 1        | ...       | ...    | 1      | 4    | 8     | 8     | 13      | 8          | 9        | 7         | 2         | 61     |
|               | Vattanam . . .                            | 3        | 1         | ...    | 2      | 7    | 6     | 7     | 9       | 8          | 11       | 7         | 6         | 67     |
|               | Periyakulam . . .                         | ...      | ...       | 3      | 4      | 6    | 3     | 3     | 6       | 6          | 5        | 3         | ...       | 39     |
|               | Tinnevely . . .                           | 1        | ...       | 2      | 3      | 3    | 2     | 1     | 4       | 5          | 7        | 10        | 3         | 41     |
|               | Tuticorin . . .                           | ...      | ...       | ...    | 1      | ...  | 1     | 2     | 3       | 4          | 8        | 5         | 2         | 26     |
|               | Satur . . .                               | 1        | ...       | ...    | 1      | 7    | 5     | 5     | 4       | 5          | 4        | 6         | ...       | 38     |
|               | Cochin . . .                              | 1        | 1         | 1      | 5      | 23   | 30    | 27    | 22      | 19         | 21       | 12        | 3         | 165    |
|               | Palghat . . .                             | ...      | ...       | ...    | 1      | 13   | 23    | 25    | 22      | 12         | 17       | 8         | ...       | 121    |
|               | Wellington . . .                          | 3        | ...       | 6      | 6      | 17   | 22    | 25    | 20      | 19         | 18       | 10        | 13        | 159    |
|               | Manantoddy . . .                          | ...      | ...       | ...    | 4      | 18   | 28    | 27    | 26      | 18         | 17       | 4         | 1         | 143    |
|               | Calicut . . .                             | ...      | 1         | ...    | 2      | 16   | 29    | 25    | 16      | 13         | 21       | 4         | 2         | 129    |
|               | Tellicherry . . .                         | ...      | ...       | ...    | 4      | 17   | 30    | 28    | 16      | 14         | 15       | 4         | ...       | 128    |
|               | Cannanore . . .                           | ...      | ...       | ...    | 1      | 12   | 30    | 29    | 18      | 17         | 20       | 4         | ...       | 131    |
|               | Mangalore . . .                           | ...      | ...       | ...    | ...    | 12   | 27    | 31    | 27      | 18         | 19       | 3         | ...       | 137    |



TABLE XV.—NUMBER OF DAYS ON WHICH RAINFALL WAS MEASURED IN 1886.

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| PROVINCES.        | STATIONS.                | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|-------------------|--------------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| MYSORE AND COORG. | Bangalore . . .          | ...      | ...       | 2      | 3      | 11   | 15    | 20    | 22      | 17         | 14       | 3         | 4         | 111    |
|                   | Mysore . . .             | ...      | ...       | 1      | 2      | 10   | 8     | 14    | 11      | 14         | 10       | 6         | 1         | 77     |
|                   | Shimoga . . .            | ...      | ..        | 1      | 1      | 8    | 19    | 21    | 18      | 17         | 12       | 2         | ...       | 99     |
|                   | Mercara . . .            | ...      | ...       | 1      | 3      | 19   | 28    | 28    | 28      | 21         | 22       | 6         | 2         | 158    |
|                   | Kolar . . .              | ...      | ...       | 1      | 2      | 9    | 11    | 19    | 15      | 11         | 8        | 7         | 4         | 87     |
|                   | Tumkur . . .             | ...      | ...       | 1      | 3      | 15   | 12    | 16    | 17      | 11         | 14       | 3         | 2         | 94     |
|                   | Chitaldroog . . .        | ...      | ...       | ...    | 1      | 11   | 6     | 16    | 9       | 17         | 9        | 2         | 3         | 74     |
|                   | Chikmagalur . . .        | ...      | ...       | 1      | 1      | 13   | 13    | 20    | 11      | 8          | 9        | 3         | 3         | 82     |
|                   | Hassan . . .             | ...      | ...       | ...    | 5      | 14   | 11    | 23    | 18      | 9          | 12       | 3         | 2         | 97     |
| CEYLON . . .      | Jaffna . . .             | 9        | 3         | ...    | 1      | 7    | 3     | 8     | 6       | 6          | 13       | 13        | 16        | 85     |
|                   | Mannar . . .             | 9        | 3         | ...    | 6      | 5    | ...   | 4     | 5       | 5          | 7        | 9         | 6         | 59     |
|                   | Trincomalee . . .        | 13       | 6         | 1      | 2      | 11   | 7     | 9     | 10      | 7          | 11       | 20        | 19        | 116    |
|                   | Batticaloa . . .         | 13       | 5         | 1      | 1      | 9    | 6     | 9     | 9       | 3          | 11       | 19        | 16        | 102    |
|                   | Hambantota . . .         | 4        | 3         | 3      | 5      | 9    | 7     | 9     | 4       | 6          | 9        | 14        | 12        | 85     |
|                   | Galle . . .              | 19       | 8         | 6      | 15     | 25   | 20    | 20    | 21      | 23         | 22       | 16        | 22        | 217    |
|                   | Ratnapura . . .          | 11       | 3         | 9      | 14     | 23   | 21    | 17    | 20      | 20         | 18       | 9         | 5         | 170    |
|                   | Colombo . . .            | 10       | 5         | 8      | 19     | 21   | 19    | 15    | 11      | 14         | 20       | 14        | 13        | 169    |
|                   | Kandy . . .              | 15       | 6         | 5      | 14     | 14   | 21    | 24    | 23      | 19         | 23       | 12        | 17        | 193    |
|                   | Newera Eliya . . .       | 15       | 6         | 8      | 15     | 21   | 25    | 23    | 26      | 22         | 23       | 17        | 18        | 219    |
|                   | Puttalam . . .           | 6        | 2         | 1      | 10     | 11   | 13    | 5     | 3       | 7          | 10       | 11        | 12        | 91     |
|                   | Anuradhapura . . .       | 11       | 4         | 4      | 11     | 9    | 8     | 6     | 5       | 7          | ?        | 9         | 11        | ?      |
|                   | Akyab . . .              | ...      | ...       | 2      | ...    | 8    | 26    | 30    | 29      | 20         | 6        | 7         | ...       | 128    |
|                   | Kyaukpyu . . .           | ...      | ...       | 1      | ...    | 10   | 30    | 31    | 31      | 29         | 8        | 5         | 1         | 146    |
|                   | Sandoway . . .           | ...      | 1         | ...    | ...    | 13   | 25    | 26    | 27      | 21         | 8        | 3         | ...       | 124    |
|                   | Rangoon . . .            | ...      | 4         | ...    | ...    | 18   | 29    | 28    | 28      | 25         | 15       | 6         | ...       | 153    |
|                   | Bassein . . .            | ...      | 2         | ...    | 1      | 17   | 29    | 29    | 31      | 29         | 15       | 8         | ...       | 161    |
| BURMA . . .       | Diamond Island . . .     | ...      | 3         | ...    | ...    | 10   | 26    | 26    | 24      | 24         | 11       | 11        | ...       | 135    |
|                   | Henzada . . .            | ...      | 3         | ...    | ...    | 10   | 24    | 27    | 21      | 21         | 13       | 7         | ...       | 126    |
|                   | Myanaung . . .           | ...      | 1         | ...    | ...    | 7    | 26    | 20    | 27      | 19         | 8        | 8         | ...       | 116    |
|                   | Prome . . .              | ...      | 1         | 1      | ...    | 12   | 28    | 23    | 27      | 20         | 7        | 7         | ...       | 126    |
|                   | Thayetmyo . . .          | 1        | 2         | ...    | 1      | 10   | 24    | 21    | 25      | 16         | 9        | 10        | ...       | 119    |
|                   | Mandalay . . .           | ?        | ?         | ?      | ?      | 17+? | 12    | 13    | 10      | 6          | 6        | 7         | 2         | ?      |
|                   | Shweybo . . .            | ?        | ?         | ?      | ?      | 9+?  | 8     | 9     | 17      | 13         | 6        | 3         | ...       | ?      |
|                   | Yeu . . .                | ?        | ?         | ?      | ?      | 7+?  | 16    | 8     | 11      | 9          | 8        | 1         | ...       | ?      |
|                   | Minbu . . .              | ?        | ?         | ?      | ?      | ?    | 2+?   | 13    | 16      | 12         | 6        | 6         | ...       | ?      |
|                   | Pyinmana (Nin-gyan). . . | ?        | ?         | ?      | ?      | ?    | 6+?   | 26    | 27      | 20         | 11       | 9         | ...       | ?      |
|                   | Pagan . . .              | ?        | ?         | ?      | ?      | ?    | 10    | 6     | 5       | 8          | 4        | 4         | ...       | ?      |
|                   | Kyanksai . . .           | ?        | ?         | ?      | ?      | ?    | 12    | 4     | 11      | 11         | 7        | 5         | ...       | ?      |
|                   | Bhamo . . .              | ?        | ?         | ?      | ?      | ?    | ?     | ?     | 22      | 16         | 10       | 2         | 2         | ?      |

TABLE XV.—NUMBER OF DAYS ON WHICH RAINFALL WAS MEASURED IN 1886.

| PROVINCES.           | STATIONS.          | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|----------------------|--------------------|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| BURMA— <i>contd.</i> | Kendat . . .       | ?        | ?         | ?      | ?      | ?    | 12+?  | 17    | 24      | 22         | 14       | 3         | ...       | ?      |
|                      | Toungdwingyee . .  | ?        | ?         | ?      | ?      | ?    | ?     | 13+?  | 24      | 17         | 8        | 8         | ...       | ?      |
|                      | Ye Methin . . .    | ?        | ?         | ?      | ?      | ?    | 12    | 12    | 25      | 17         | 10       | ?         | ?         | ?      |
|                      | Fort Sagaing . . . | ?        | ?         | ?      | ?      | ?    | ?     | ?     | ?       | 5+?        | 9        | 6         | 1         | ?      |
|                      | Mingin . . .       | ?        | ?         | ?      | ?      | ?    | ?     | ?     | ?       | 16+?       | 7        | 5         | 1         | ?      |
|                      | Toungoo . . .      | ...      | 3         | 1      | ...    | 16   | 26    | 27    | 28      | 25         | 10       | 5         | ...       | 141    |
|                      | Shwegyin . . .     | 1        | 4         | ...    | ...    | 16   | 30    | 31    | 31      | 24         | 16       | 4         | ...       | 157    |
|                      | Moulmein . . .     | ...      | 1         | 1      | ...    | 22   | 29    | 28    | 28      | 23         | 11       | ...       | ...       | 143    |
|                      | Tavoy . . .        | ...      | 1         | 2      | 2      | 25   | 30    | 26    | 28      | 27         | 27       | 5         | ...       | 173    |
|                      | Mergui . . .       | 1        | 9         | 6      | 4      | 22   | 27    | 25    | 24      | 24         | 24       | 8         | ...       | 174    |
| BAY ISLANDS .        | Cocos Island . . . | ?        | ?         | ?      | ?      | ?    | ?     | 22    | 21      | 25         | 12       | 16        | 46        | ?      |
|                      | Port Blair . . .   | 1        | 4         | 1      | 3      | 21   | 26    | 25    | 25      | 22         | 20       | 15        | 5         | 168    |
| STRAITS SETTLEMENTS. | Nancowry . . .     | 8        | 4         | 2      | 9      | 19   | 22    | 21    | 17      | 17         | 17       | 22        | 10        | 168    |
|                      | Singapore . . .    | 14       | 11        | 10     | 14     | 18   | 18    | 9     | 19      | 17         | 23       | 22        | 16        | 191    |


  
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